IT CORPORATION

Final
Revision 0

INSTALLATION RESTORATION PROGRAM

Final Long-Term Groundwater Monitoring Report: October 2000

Wright-Patterson Air Force Base Long-Term Monitoring Program

Wright-Patterson Air Force Base
88th Air Base Wing
Office of Environmental Management

STRENGTH THROUGH SUPPORT

PROTECT RESTORE ENHANCE

Environmental Management
Wright-Patterson AFB

Prepared by:

IT Corporation
11499 Chester Road
Cincinnati, Ohio 45246

July 18, 2001

List of Appendices

A Table A-1, BMP LTM Locations (EE/CA)
Table A-2, Basewide LTM Program Monitoring Well Inventory
Table A-3, OU5 Historic Groundwater Sampling Results: VOCs
B OU1 Field Data Forms
B-1 OU1 Sample Collection Forms
B-2 OU1 Water Level
B-3 OU1 Explosive Gas Monitoring Field Logs
C OU1 Chain of Custody Records and Analytical Data
C-1 OU1 Chain of Custody Records: July and October 2000
C-2 OU1 Groundwater Analytical Data: July 2000
C-3 OU1 Groundwater Analytical Data: October 2000
D OU5 Water Level Monitoring Field Logs
E OU4 Soil Gas Monitoring Field Logs
F OU2 Groundwater Purge Logs, Water Level Field Logs and Chain of Custody Records
G OU2 Groundwater and Soil Gas Analytical Data
H Basewide LTM Sample Collection Forms and Bill of Lading
I Basewide LTM Chain of Custody Records
J Basewide LTM Semiannual and Annual VOCs Analytical Data

Appendix A

Table A-1, BMP LTM Locations
Table A-2, Basewide LTM Program Monitoring Well Inventory
Table A-3, OU5 Historic Groundwater Sampling Results: VOCs

Table A-1
BMP Monitoring Locations
Wright-Patterson AFB, Ohio
Page 1 of 3

Number of Wells	Sample Location	Area	Reason for Monitoring	COPCs > RG	Monitoring Frequency	Sampling Month(s)	Analytical Parameters	Aquifer Layer	Aquifer Type	Comments
	OU1 Annual									
1	LF08-MW02A	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
2	LF08-MW02C	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
3	LF08-MW05B	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
4	LF08-MW08A	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
5	LF08-MW08B	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
6	LF08-MW08C	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
7	LF08-MW09A	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
8	LF08-MW09B	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
9	LF08-MW10A	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
10	LF08-MW10B	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
11	LF08-MW10C	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
12	LF08-MW101	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
13	LF08-MW102	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
14	LF08-MW103	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
15	LF10-MW03A	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
16	LF10-MW05B	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
17	LF10-MW05C	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
18	LF10-MW06A	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
19	LF10-MW06A DUP	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
20	LF10-MW06B	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
21	LF10-MW07A	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
22	LF10-MW07B	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
23	LF10-MW07C	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
24	LF10-MW08A-2	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
25	LF10-MW08B	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
26	LF10-MW09A	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
27	LF10-MW09B	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
28	LF10-MW09C	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
29	LF10-MW10C	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
30	LF10-MW11A	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
31	LF10-MW11B	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
32	LF10-MW101	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
33	LF10-MW102	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
34	LF10-MW103	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
35	LF10-MW104	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
36	LF10-MW105	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
37	02-DM-81S-M	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
38	02-DM-81D-M	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
39	02-DM-82-M	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
40	02-DM-83S-M	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
41	02-DM-83D-M	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
42	02-DM-84-M	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
43	01-DM-102S-M	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
44	01-DM-102D-M	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
45	01-004-M	OU1	OU1 ROD	NA	Annual	October	OU1 ROD Parameters	1	Hill	
46	LF8/10-LW10-2000	OU1	City of Fairborn Effluent							

Table A-1
BMP Monitoring Locations
Wright-Patterson AFB, Ohio
Page 2 of 3

Number of Wells	Sample Location	Area	Reason for Monitoring	COPCs > RG	Monitoring Frequency	Sampling Month(s)	Analytical Parameters	Aquifer Layer	Aquifer Type	Comments
	Basewide Semi-Annual VOCs									
1	BS5 P-1	BS5	BS5 LTM	NA	Semi-Annual	April/Oct.	VOCs	1	Outwash	
2	BS5 P-2	BS5	BS5 LTM	NA	Semi-Annual	April/Oct.	VOCs	1	Outwash	
3	BS5 P-3	BS5	BS5 LTM	NA	Semi-Annual	April/Oct.	VOCs	1	Outwash	
4	BS5 P-4	BS5	BS5 LTM	NA	Semi-Annual	April/Oct.	VOCs	1	Outwash	
5	WP-NEA-MW27-3I	OU2	VOCs > MCL	PCE	Semi-Annual	April/Oct.	VOCs	1	Outwash	
6	WP-NEA-MW34-2S	OU2	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	1	Outwash	
7	FTA2:MW02C	OU3	VOCs > MCL	Benzene	Semi-Annual	April/Oct.	VOCs	1	Outwash	
8	LF12-MW15A	OU3	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	1	Outwash	Replacement
9	05-DM-123S	OU3	LF12 LTM	NA	Semi-Annual	April/Oct.	VOCs	1	Outwash	
10	05-DM-123I	OU3	LF12 LTM	NA	Semi-Annual	April/Oct.	VOCs	1	Outwash	
11	05-DM-123D	OU3	LF12 LTM	NA	Semi-Annual	April/Oct.	VOCs	1	Outwash	
12	07-520-M	OU3	HI > 1	NA	Semi-Annual	April/Oct.	VOCs (Metals Ann.)	1	Outwash	Replacement
13	BMP-OU4-01B-60	OU4	OU4 Downgradient Mon.	NA	Semi-Annual	April/Oct.	VOCs	2	Outwash	New (Oct. '98)
14	BMP-OU4-01C-84	OU4	OU4 Downgradient Mon.	NA	Semi-Annual	April/Oct.	VOCs	3	Outwash	New (Oct. '98)
15	OU4-MW-02A	OU4	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	1	Outwash	
16	OU4-MW-02B	OU4	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	2	Outwash	
17	OU4-MW-03B	OU4	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	2	Outwash	
18	OU4-MW-03C	OU4	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	3	Outwash	
19	OU4-MW-04A	OU4	VOCs > MCL	vinyl chloride	Semi-Annual	April/Oct.	VOCs	1	Outwash	
20	OU4-MW-12B	OU4	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	2	Outwash	
21	CW04-060	OU5	FAA-A Remedial Action	NA	Semi-Annual	April/Oct.	VOCs	2	Outwash	New (Apr. '00)
22	CW05-055	OU5	FAA-A Remedial Action	TCE	Semi-Annual	April/Oct.	VOCs	2	Outwash	
23	CW05-085	OU5	FAA-A Remedial Action	TCE	Semi-Annual	April/Oct.	VOCs	2	Outwash	
24	HD-11	OU5	FAA-A Remedial Action	TCE	Semi-Annual	April/Oct.	VOCs	2	Outwash	
25	HD-12M	OU5	FAA-A Remedial Action	NA	Semi-Annual	April/Oct.	VOCs	2	Outwash	
26	HD-12S	OU5	FAA-A Remedial Action	PCE	Semi-Annual	April/Oct.	VOCs	1	Outwash	
27	Mad Mon 127 (HD-13D)	OU5	FAA-A Remedial Action	NA	Semi-Annual	April/Oct.	VOCs	2	Outwash	New (Apr. '00)
28	HD-13S	OU5	FAA-A Remedial Action	NA	Semi-Annual	April/Oct.	VOCs	1	Outwash	
29	HSA-4A (MW131M)	OU5	FAA-A Remedial Action	TCE	Semi-Annual	April/Oct.	VOCs	2	Outwash	
30	HSA-4B (MW131S)	OU5	FAA-A Remedial Action	NA	Semi-Annual	April/Oct.	VOCs	1	Outwash	
31	HSA-5 (MW132S)	OU5	FAA-A Remedial Action	PCE, TCE	Semi-Annual	April/Oct.	VOCs	1	Outwash	
32	CW03-77	OU8	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	3	Outwash	Replacement
33	CHP4-MW01	OU10	VOCs > MCL	PCE, TCE	Semi-Annual	April/Oct.	VOCs	1	Outwash	
34	GR-330	OU10	VOCs > MCL	PCE	Semi-Annual	April/Oct.	VOCs	1	Outwash	
35	GR-333	OU10	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	1	Outwash	
36	GR-334	OU10	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	3	Outwash	
37	OU10-MW-03S	OU10	VOCs > MCL	PCE	Semi-Annual	April/Oct.	VOCs (Metals Ann.)	1	Outwash	
38	OU10-MW-06D	OU10	VOCs > MCL	PCE	Semi-Annual	April/Oct.	VOCs	3	Outwash	
39	OU10-MW-06S	OU10	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs (Metals Ann.)	2	Outwash	
40	OU10-MW-11D	OU10	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	2	Outwash	
41	OU10-MW-11S	OU10	VOCs > MCL	PCE	Semi-Annual	April/Oct.	VOCs	2	Outwash	
42	OU10-MW-19D	OU10	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	2	Outwash	
43	OU10-MW-21S	OU10	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	1	Outwash	
44	OU10-MW-25S	OU10	VOCs > MCL	PCE	Semi-Annual	April/Oct.	VOCs	1	Outwash	
45	WP-NEA-MW37-1D	OU10	VOCs > MCL	Benzene	Semi-Annual	April/Oct.	VOCs	2	Outwash	
46	23-578-M	OU10	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	1	Outwash	Added

Table A-1
BMP Monitoring Locations
Wright-Patterson AFB, Ohio
Page 3 of 3

Number of Wells	Sample Location	Area	Reason for Monitoring	COPCs > RG	Monitoring Frequency	Sampling Month(s)	Analytical Parameters	Aquifer Layer	Aquifer Type	Comments
	OU2 Semi-Annual VOCs									
1	04-016-M	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	
2	04-518-M	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	
3	OW-1	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	
4	OW-2	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	
5	OW-3	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	
6	OW-4	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	
7	P18-1	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	
8	P18-2	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	
9	WP-NEA-MW20-2S	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	
10	WP-NEA-MW21-3S	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	
11	WP-NEA-MW26-3S	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	Rep. Well for P11-1
12	WP-NEA-MW28-5S	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	
	OU2 Periodic VOCs									
1	OW-6	OU2	OU2 Draft ROD	Benzene	Semi-Annual	Periodically	OU2 ROD Parameters	1	Outwash	Plume migration
2	NEA-MW25-3S	OU2	OU2 Draft ROD	Benzene	Semi-Annual	Periodically	OU2 ROD Parameters	1	Outwash	monitoring
	Basewide Annual VOCs									
1	BS6 P-1	BS6	BS6 LTM	NA	Annual	April	VOCs	1	Hill	
2	BS6 P-2	BS6	BS6 LTM	NA	Annual	April	VOCs	1	Hill	
3	SP11-MW01	FAA-B	FAA-B Remedial Action	vinyl chloride	Annual	April	VOCs	1	Hill	
4	SP11-MW02	FAA-B	FAA-B Remedial Action	vinyl chloride	Annual	April	VOCs	1	Hill	
5	SP11-MW03	FAA-B	FAA-B Remedial Action	vinyl chloride	Annual	April	VOCs	1	Hill	
6	SP11-MW08	FAA-B	FAA-B Remedial Action	vinyl chloride	Annual	April	VOCs	1	Hill	New April '00
7	WP-EFDZ2-MW03	FAA-B	FAA-B Remedial Action	vinyl chloride	Annual	April	VOCs	1	Hill	New April '00
8	OU8-MW-02S	OU8	VOCs > MCL	vinyl chloride	Annual	April	VOCs	1	Hill	
9	P6-1	OU8	VOCs > MCL	Benzene	Annual	April	VOCs	1	Hill	
10	P6-2	OU8	VOCs > MCL	Benzene	Annual	April	VOCs	1	Hill	
11	EFD04-MW06	OU9	VOCs > MCL	Benzene, 1,2-DCA	Annual	April	VOCs	1	Hill	
12	EFD09-M575	OU9	VOCs > MCL	TCE, vinyl chloride	Annual	April	VOCs	1	Hill	
	Basewide Annual Metals									
1	14-554-M	OU2	Metals > RG	Sb, Cr, Ni	Annual	April	Metals	1	Outwash	
2	WP-NEA-MW01-1S	OU2	Metals > RG	Al, Cr, Co, Mn, Ni, V	Annual	April	Metals	1	Outwash	
3	WP-NEA-MW02-2S	OU2	Metals > RG	Al, Cr, Co, Ni, V	Annual	April	Metals	1	Outwash	
4	WP-NEA-MW20-2S	OU2	Metals > RG	Al, Co, Mn, V	Annual	April	Metals	1	Outwash	
5	WP-NEA-MW23-2S	OU2	Metals > RG	Al, Co, Pb, Ni, Tl, V, Zn	Annual	April	Metals	1	Outwash	
6	WP-NEA-MW24-2S	OU2	Metals > RG	Al, Cr, Co, Mn, Ni, V, Zn	Annual	April	Metals	1	Outwash	
7	WP-NEA-MW31-3S	OU2	Metals > RG	Al, Co, Mn, V, Zn	Annual	April	Metals	1	Outwash	
8	07-520-M	OU3	HI > 1	NA	Annual	April	Metals	1	Outwash	Replacement
9	CW15-055	OU5	Metals > RG	Mn, V, Zn	Annual	April	Metals	2	Outwash	
10	OU8-MW-02D	OU8	Metals > RG	Mn, V, Zn	Annual	April	Metals	2	Hill	
11	OU8-MW-23D	OU8	Metals > RG	Al, Mn, Zn	Annual	April	Metals	2	Hill	
12	P4-2	OU9	Metals > RG	Al, Cr, Co, Ni, V	Annual	April	Metals	1	Hill	
13	WP-EFDZ3-MW02	OU9	Metals > RG	Se, Tl, V	Annual	April	Metals	1	Hill	
14	WP-EFDZ3-MW03	OU9	Metals > RG	Al, Mn, V, Zn	Annual	April	Metals	1	Hill	
15	WP-EFDZ8-MW01	OU9	Metals > RG	Al, Cr, Ni, Zn	Annual	April	Metals	1	Hill	
16	25-582-M	OU10	Metals > RG	Al, Cr, Co, Pb, Mn, Ni, V, Zn,	Annual	April	Metals	1	Outwash	
17	25-583-M	OU10	Metals > RG	Cr, Co, Ni , V	Annual	April	Metals	1	Outwash	
18	25-584-M	OU10	Metals > RG	Cr, Co, Ni	Annual	April	Metals	1	Outwash	
19	OU10-MW-03S	OU10	Metals > RG	Co, Mn, Zn	Annual	April	Metals, VOCs	1	Outwash	
20	OU10-MW-06S	OU10	Metals > RG	Al, Mn, V	Annual	April	Metals, VOCs	2	Outwash	
21	OU10-MW-10I	OU10	NA	NA	Annual	April	Metals	2	Outwash	Rep. Well for 20-566
	Removed Wells									
	OU8-MW-10D	FAA-B	FAA-B Remedial Action	vinyl chloride	Annual	October	VOCs	1	Hill	Abandoned
	20-566-M	OU10	Metals > RG	Cr, Co, Ni	Annual	April	Metals	1	Outwash	Abandonded
	P11-1	OU2	OU2 Draft ROD	Benzene	Semi-Annual	April/Oct.	OU2 ROD Parameters	1	Outwash	Replaced
	CW01-35	OU8	VOCs > MCL	TCE	Semi-Annual	April/Oct.	VOCs	2	Outwash	Replaced
	OU8-MW-12D	OU8	Metals > RG	Al, Mn, V, Zn	Annual	April	Metals	2	Outwash	Abandoned
	CHP05-M581	OU9	Metals > RG	Ba, Mn, Tl	Annual	April	Metals	1	Hill	Damaged

RG = Remediation Goal
NA = Location included for remedial action monitoring
OU1 ROD Parameters = VOCs, SVOCs, dioxin/furans, pest./PCB, metals, CN, ammonia
OU2 ROD parameters = BTEX, nitrates, sulfate, DO, ferrous iron

Table A-2
Basewide LTM Program
Monitoring Well Inventory
Wright-Patterson AFB, Ohio
Page 1 of 2

Sample Location	Area	Analytical Parameters	Sampling Frequency	Existing Pump Type	Wellhead Completion (AG or FL)	Top of Screened Interval (ft, bgs)	Length of Screen (ft)	Bottom of Well (ft, bgs)	Sounded Depth (ft, TOC)	Borehole Depth (ft, TOC)
BS6 P-1	BS6	VOCs	April	GEOGUARD	FL	8	10	18	NA	20
BS6 P-2	BS6	VOCs	April	GEOGUARD	FL	5	10	15	NA	15.5
BS5 P-1	BS5	VOCs	April/Oct.	GEOGUARD	FL	28	10	38	NA	40
BS5 P-2	BS5	VOCs	April/Oct.	GEOGUARD	FL	30	10	40	NA	42
BS5 P-3	BS5	VOCs	April/Oct.	GEOGUARD	FL	33	10	43	NA	45
BS5 P-4	BS5	VOCs	April/Oct.	GEOGUARD	FL	45	5	50	NA	52
SP11-MW01	FAA-B	VOCs	April	GEOGUARD	FL	22	5	27.0	NA	35
SP11-MW02	FAA-B	VOCs	April	GEOGUARD	FL	12	10	22.0	NA	36
SP11-MW03	FAA-B	VOCs	April	GEOGUARD	FL	8	5	13.0	NA	37
SP11-MW08	FAA-B	VOCs	April	GEOGUARD	FL	22	10	32.0	NA	35
WP-EFDZ2-MW03	FAA-B	VOCs	April	GEOGUARD	FL	14.7	10	24.7	NA	27
WP-NEA-MW27-3I	OU2	VOCs	April/Oct.	GEOGUARD	AG	40.8	4.7	45.5	NA	50
WP-NEA-MW34-2S	OU2	VOCs	April/Oct.	GEOGUARD	AG	8.5	9.9	18.4	NA	21
14-554-M	OU2	Metals	April	NONE*	AG	5.9	10	15.9	17.05	20
WP-NEA-MW01-1S	OU2	Metals	April	NONE*	AG	13.4	10	23.4	25.5	19
WP-NEA-MW02-2S	OU2	Metals	April	NONE*	AG	7	10	17.0	19.5	19
WP-NEA-MW20-2S	OU2	Metals	April	GEOGUARD	AG	7.8	9.9	17.7	NA	20
WP-NEA-MW23-2S	OU2	Metals	April	GEOGUARD	AG	8.25	4.7	13.0	NA	15
WP-NEA-MW24-2S	OU2	Metals	April	GEOGUARD	FL	11.9	9.7	21.6	NA	24
WP-NEA-MW31-3S	OU2	Metals	April	GEOGUARD	AG	12.9	9.7	22.6	NA	25
FTA2:MW02C	OU3	VOCs	April/Oct.	Redi-Flo II	AG	9.6	9.59	19.2	NA	20
LF12-MW15A	OU3	VOCs	April/Oct.	GEOGUARD	AG	3.72	9.7	15.4	NA	21
05-DM-123S	OU3	VOCs	April/Oct.	GEOGUARD	AG	5	10	15.0	NA	15
05-DM-123I	OU3	VOCs	April/Oct.	GEOGUARD	AG	19.75	5	24.8	NA	24.75
05-DM-123D	OU3	VOCs	April/Oct.	GEOGUARD	AG	26.8	5	31.8	NA	31.8
07-520-M	OU3	VOCs/ Metals	April/Oct.	GEOGUARD	AG	5.1	10	15.1	NA	15.1
BMP-OU4-01B-60	OU4	VOCs	April/Oct.	GEOGUARD	FL	50	10	60.0	NA	60
BMP-OU4-01C-84	OU4	VOCs	April/Oct.	GEOGUARD	FL	74	10	85.0	NA	85
OU4-MW-02A	OU4	VOCs	April/Oct.	Well Wizard	AG	7	10	17.0	NA	18.5
OU4-MW-02B	OU4	VOCs	April/Oct.	Well Wizard	AG	46.1	10	56.1	NA	58
OU4-MW-03B	OU4	VOCs	April/Oct.	Well Wizard	AG	57	5	62.0	NA	64
OU4-MW-03C	OU4	VOCs	April/Oct.	Well Wizard	AG	73.53	10	83.5	NA	95
OU4-MW-04A	OU4	VOCs	April/Oct.	Well Wizard	AG	9.5	10	19.5	NA	19.5
OU4-MW-12B	OU4	VOCs	April/Oct.	Well Wizard	AG	39.94	10	49.9	NA	105
CW04-060	OU5	VOCs	April/Oct.	GEOGUARD	AG	49.7	10	59.7	NA	60
CW05-055	OU5	VOCs	April/Oct.	GEOGUARD	AG	45	10	57.0	NA	57
CW05-085	OU5	VOCs	April/Oct.	GEOGUARD	AG	75	10	85.0	NA	85
HD-11	OU5	VOCs	April/Oct.	GEOGUARD	AG	71	10	85.0	NA	85
HD-12M	OU5	VOCs	April/Oct.	GEOGUARD	AG	44	10	76.0	NA	76
HD-12S	OU5	VOCs	April/Oct.	GEOGUARD	AG	14	10	25.0	NA	25
HD-13S	OU5	VOCs	April/Oct.	GEOGUARD	AG	22.5	10	33.0	NA	33
MAD-MON127 (HD-13D)	OU5	VOCs	April/Oct.	GEOGUARD	AG	96	10	106.0	NA	107
MW131M (HSA-4A)	OU5	VOCs	April/Oct.	GEOGUARD	AG	58.3	10	68.3	NA	68.3
MW131S (HSA-4B)	OU5	VOCs	April/Oct.	GEOGUARD	AG	22.3	10	32.3	NA	32.3

Table A-2
Basewide LTM Program
Monitoring Well Inventory
Wright-Patterson AFB, Ohio
Page 2 of 2

Sample Location	Area	Analytical Parameters	Sampling Frequency	Existing Pump Type	Wellhead Completion (AG or FL)	Top of Screened Interval (ft, bgs)	Length of Screen (ft)	Bottom of Well (ft, bgs)	Sounded Depth (ft, TOC)	Borehole Depth (ft, TOC)
MW132S (HAS-5)	OU5	VOCs	April/Oct.	GEOGUARD	AG	38.5	10	48.5	NA	48.5
CW15-055	OU5	Metals	April	GEOGUARD	AG	45	10	55.0	NA	95
CW3-77	OU8	VOCs	April/Oct.	GEOGUARD	AG	66.8	10	76.8	NA	76.8
OU8-MW-02S	OU8	VOCs	April	Well Wizard	FL	19	10	29.0	NA	29.2
P6-1	OU8	VOCs	April	Well Wizard	FL	18.22	9.57	27.8	NA	30.5
P6-2	OU8	VOCs	April	Well Wizard	FL	17.77	9.68	27.5	NA	29
OU8-MW-02D	OU8	Metals	April	Well Wizard	FL	64	10	74.0	NA	79.5
OU8-MW-23D	OU8	Metals	April	Well Wizard	FL	41.7	10	51.7	NA	56
EFD04-MW06	OU9	VOCs	April	GEOGUARD	AG	25	10	35.0	NA	36
EFD09-M575	OU9	VOCs	April	NONE*	AG	5.4	10	15.4	16.03	16
P4-2	OU9	Metals	April	GEOGUARD	AG	5.8	10.2	16.0	NA	18
WP-EFDZ3-MW02	OU9	Metals	April	NONE*	AG	10	10	20.0	24.78	22
WP-EFDZ3-MW03	OU9	Metals	April	NONE*	AG	12	10	22.0	26.25	24
WP-EFDZ8-MW01	OU9	Metals	April	GEOGUARD	AG	30	10	40.0	NA	42
CHP4-MW01	OU10	VOCs	April/Oct.	GEOGUARD	FL	36	10	46.0	NA	36
GR-330	OU10	VOCs	April/Oct.	NONE*	AG	39.5	10	49.5	50.8	50
GR-333	OU10	VOCs	April/Oct.	Redi-Flo II	AG	25.1	10	35.1	NA	36
GR-334	OU10	VOCs	April/Oct.	Redi-Flo II	AG	145	10	155.0	NA	155
OU10-MW-03S	OU10	VOCs, Metals	April/Oct.	GEOGUARD	FL	27.8	10	37.8	NA	38
OU10-MW-06D	OU10	VOCs	April/Oct.	NONE*	FL	140.4	10	150.4	150	151
OU10-MW-06S	OU10	VOCs, Metals	April/Oct.	NONE*	FL	52	10	62.0	60.35	63
OU10-MW-11D	OU10	VOCs	April/Oct.	GEOGUARD	FL	87.9	10	97.9	NA	95
OU10-MW-11S	OU10	VOCs	April/Oct.	GEOGUARD	FL	53.3	10	63.3	NA	63
OU10-MW-19D	OU10	VOCs	April/Oct.	GEOGUARD	FL	72.1	10	82.1	NA	80
OU10-MW-21S	OU10	VOCs	April/Oct.	NONE*	FL	15.5	10	25.5	25.5	25
OU10-MW-25S	OU10	VOCs	April/Oct.	GEOGUARD	FL	36	10	46.0	NA	45
23-578-M	OU10	VOCs	April/Oct.	GEOGUARD	AG	31.5	10	41.5	NA	41.5
WP-NEA-MW37-1D	OU10	VOCs	April/Oct.	GEOGUARD	AG	84.7	9.9	94.6	NA	97
OU10-MW-10I	OU10	Metals	April	GEOGUARD	AG	74.8	10	84.8	NA	82
25-582-M	OU10	Metals	April	NONE*	AG	25.9	10	35.9	36.28	95
25-583-M	OU10	Metals	April	NONE*	AG	13	10	23.0	24.3	23
25-584-M	OU10	Metals	April	NONE*	AG	15.8	10	25.8	27.78	26

AG = Above ground
FL = Flush-mounted
NA = Not avalable, pump in well
* = New Geoguard bladder pump installed

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
08-020-M	Sep-90	- -	- -	- -	0.3	- -	0.1
(MW20)	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	0.3
	Jun-92	- -	- -	- -	1	- -	0.4
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	0.3	0.2	- -	0.4
	Jan-93	- -	- -	- -	0.3	- -	0.4
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	0.3	- -	2
	Jul-93	- -	- -	- -	- -	- -	0.2
	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
	Apr-94	- -	- -	- -	- -	- -	- -
	Aug-94	- -	- -	- -	- -	- -	- -
	Dec-94	2	- -	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	0.3
	Apr-97	- -	- -	- -	- -	- -	0.4
	Sep-97	- -	- -	- -	- -	- -	- -
	Jan-98	- -	- -	- -	- -	- -	0.38
	Jul-98	- -	- -	- -	- -	- -	0.36
08-021-M	Sep-90	- -	- -	7	3.3	**12**	**18**
(MW21)	Nov-91	- -	- -	15.5	- -	- -	**80.3**
	Mar-92	0.4	- -	31	1	**32**	**22**
	Jun-92	0.7	- -	65	2	**33**	**24**
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	2	- -	60	2	**48**	**7**
	Jan-93	2	- -	39	1	**19**	4
	Mar-93	- -	- -	12	2	**- -**	**6**
	May-93	0.5	- -	14	2	**3**	**6**
	Jul-93	0.3	- -	25	1	**11**	**6**
	Oct-93	1.3	- -	51	2.1	**31**	3.5
	Feb-94	- -	0.7	33	1.1	**10**	2
	Apr-94	0.5	- -	47	- -	**10**	1
	Aug-94	- -	- -	**94**	- -	- -	2
	Dec-94	4	1	16	- -	2	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
08-021-M	Mar-95	- -	- -	**109**	- -	**36**	2
(cont.)	Jun-95	- -	- -	28.2	- -	**6.43**	1.8
	Sep-95	- -	- -	24.2	- -	- -	1.51
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	21.9	- -	- -	- -
	Jun-96	- -	- -	4.01	- -	- -	**12.1**
	Aug-96	- -	- -	8.7	- -	**3.7**	1.6
	Dec-96	- -	- -	7.1	0.6	- -	0.9
	Feb-97	- -	- -	5.9	0.6	- -	0.6
	Apr-97	0.3	- -	15	0.6	**8**	0.8
	Sep-97	- -	- -	11.6	- -	- -	- -
	Jan-98	- -	- -	10	- -	**2.6**	0.56
	Jul-98	0.45	- -	6.98	0.5	**5.3**	0.72
08-022-M	Sep-90	- -	- -	2.1	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	1.9	- -	- -	- -
	Feb-94	- -	- -	3.6	- -	- -	- -
	Apr-94	- -	- -	- -	- -	- -	- -
	Aug-94	- -	- -	- -	- -	- -	- -
	Dec-94	- -	- -	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	- -
08-023-M	Sep-90	- -	- -	- -	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	DATE	Benzene (ug/L)	1,2-DCA (ug/L)	Total 1,2-DCE (ug/L)	PCE (ug/L)	Vinyl Chloride (ug/L)	TCE (ug/L)
	MCL	5	5	70	5	2	5
08-023-M	Mar-93	- -	- -	- -	- -	- -	- -
(cont.)	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
08-522-M	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
08-523-M	Sep-90	- -	- -	- -	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	0.7	- -	- -	- -	- -	- -
08-524-M	Sep-90	- -	- -	- -	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
08-525-M	Sep-90	- -	- -	- -	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	**11**	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	NA	NA	NA	NA	NA	NA
	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	DATE	Benzene (ug/L)	1,2-DCA (ug/L)	Total 1,2-DCE (ug/L)	PCE (ug/L)	Vinyl Chloride (ug/L)	TCE (ug/L)
	MCL	5	5	70	5	2	5
08-525-M	Apr-94						
(cont.)	Aug-94	- -	- -	- -	- -	- -	- -
	Dec-94	- -	- -	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	- -
08-526-M	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
08-527-M	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
08-528-M	Sep-90	- -	- -	- -	3.3	- -	0.3
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	- -	**13**	- -	- -
	Feb-94	- -	- -	- -	**7.6**	- -	- -
CW04-018	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
CW04-060	Sep-90	- -	- -	0.3	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	1	- -	- -	- -
	Jun-92	- -	0.6	2	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	4	1	- -	- -	- -
	Jan-93	- -	0.5	0.9	- -	- -	0.3
	Mar-93	- -	--	1	- -	- -	- -
	May-93	- -	- -	2	- -	- -	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	DATE	Benzene (ug/L)	1,2-DCA (ug/L)	Total 1,2-DCE (ug/L)	PCE (ug/L)	Vinyl Chloride (ug/L)	TCE (ug/L)
	MCL	5	5	70	5	2	5
CW04-060 (cont.)	Jul-93	- -	- -	0.9	- -	- -	- -
	Oct-93	- -	- -	1.5	- -	- -	- -
	Feb-94	- -	- -	0.9	- -	- -	- -
	Apr-94	- -	- -	0.8	- -	- -	0.3
	Aug-94	- -	- -	2	- -	- -	- -
	Dec-94	- -	2	2	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	1	- -	- -	- -
	Dec-95	- -	- -	1.39	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	0.62	- -	- -	- -
	Dec-96	- -	- -	1.6	- -	- -	- -
	Feb-97	- -	- -	1.1	- -	- -	- -
	Apr-97	- -	- -	0.9	- -	- -	- -
	Sep-97	- -	- -	1.3	- -	- -	- -
	Jan-98	- -	- -	0.82	- -	- -	- -
	Jul-98	- -	- -	0.66	- -	- -	0.62
CW04-085	Sep-90	- -	- -	8.9	- -	- -	- -
	Nov-91	- -	- -	5.66	- -	- -	- -
	Mar-92	- -	- -	7	- -	- -	- -
	Jun-92	- -	0.4	5	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	2	- -	- -	- -
	Jan-93	- -	0.4	4	- -	- -	- -
	Mar-93	- -	- -	5	- -	- -	- -
	May-93	- -	- -	5	- -	- -	- -
	Jul-93	- -	0.3	5	- -	- -	- -
	Oct-93	- -	- -	3.3	- -	- -	- -
	Feb-94	- -	- -	2.9	- -	- -	- -
	Apr-94	- -	- -	2	- -	- -	0.8
	Aug-94	- -	- -	2	- -	- -	- -
	Dec-94	- -	- -	1	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	1	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	0.6	- -	- -	- -
	Dec-96	- -	- -	1	- -	- -	- -
	Feb-97	0.2	- -	0.7	- -	- -	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
CW04-085	Apr-97	- -	- -	- -	- -	- -	- -
(cont.)	Sep-97	- -	- -	1	- -	- -	- -
	Jan-98	- -	- -	0.99	- -	- -	- -
	Jul-98	- -	- -	1.1	- -	- -	- -
CW05-055	Sep-90	- -	- -	41	- -	1	**550**
	Nov-91	- -	- -	60	- -	- -	**529**
	Mar-92	0.5	- -	16	- -	2	**91**
	Jun-92	- -	- -	15	- -	**6**	**43**
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	0.7	- -	15	- -	**3**	**19**
	Jan-93	0.2	- -	5	- -	- -	**16**
	Mar-93	- -	- -	4	- -	- -	**26**
	May-93	- -	- -	2	- -	- -	**23**
	Jul-93	- -	- -	5	- -	0.6	**11**
	Oct-93	- -	- -	1.7	- -	- -	**8.4**
	Feb-94	- -	- -	29.7	- -	2	**6.8**
	Apr-94	0.6	- -	16	- -	**3**	3
	Aug-94	- -	- -	33	- -	**14**	2
	Dec-94	- -	2	8	- -	**3**	3
	Mar-95	- -	- -	17	- -	1	3
	Jun-95	- -	- -	22.7	- -	**5.3**	2.71
	Sep-95	- -	- -	19.4	- -	**10.6**	1.81
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	2.49	- -	- -	1.19
	Jun-96	- -	- -	6.48	- -	**11.7**	1.84
	Aug-96	- -	- -	8.6	- -	**3.9**	1.8
	Dec-96	- -	- -	8.9	- -	- -	5
	Feb-97	- -	- -	14.3	- -	- -	8
	Apr-97	- -	- -	9	- -	1.6	3.2
	Sep-97	- -	- -	7.4	- -	- -	2.1
	Jan-98	- -	- -	2.2	- -	0.84	2.4
	Jul-98	- -	- -	12.24	- -	**3**	1.4
CW05-085	Sep-90	- -	- -	40	- -	0.5	**770**
	Nov-91	- -	- -	30.2	- -	- -	**346**
	Mar-92	- -	- -	23	- -	- -	**470**
	Jun-92	- -	- -	18	- -	- -	**490**
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	25	- -	- -	**380**
	Jan-93	- -	- -	27	- -	- -	**360**
	Mar-93	- -	- -	25	- -	- -	**310**
	May-93	- -	- -	18	- -	- -	**400**
	Jul-93	- -	- -	23	- -	- -	**300**
	Oct-93	- -	- -	25.6	- -	- -	**316**

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
CW05-085	Feb-94	- -	- -	12	- -	- -	**360**
(cont.)	Apr-94	- -	- -	22	- -	0.3	**200**
	Aug-94	- -	- -	30	- -	- -	**140**
	Dec-94	- -	2	20	- -	- -	**250**
	Mar-95	- -	- -	9	- -	- -	**161**
	Jun-95	- -	- -	5.93	- -	- -	**169**
	Sep-95	- -	- -	- -	- -	- -	**132**
	Dec-95	1.91	- -	15.34	- -	- -	**154**
	Mar-96	- -	- -	23.8	- -	- -	**130**
	Jun-96	- -	- -	39.26	- -	- -	**162**
	Aug-96	- -	- -	13	- -	- -	**160**
	Dec-96	- -	- -	27	- -	- -	**150**
	Feb-97	- -	- -	42.4	- -	- -	**170**
	Apr-97	- -	- -	24	- -	- -	**180**
	Sep-97	- -	- -	20	- -	- -	**130**
	Jan-98	- -	- -	12.7	- -	- -	**140**
	Jul-98	- -	- -	28.2	- -	- -	**130**
CW06-077	Sep-90	- -	- -	1.3	- -	- -	**6.2**
	Nov-91	- -	- -	- -	- -	- -	1.79
	Mar-92	- -	- -	- -	- -	- -	0.6
	Jun-92	- -	- -	- -	- -	- -	0.7
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	- -	- -	- -	0.6
	Jan-93	- -	- -	- -	- -	- -	0.5
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	0.2
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	- -	- -	- -	- -
	Mar-94	- -	- -	- -	- -	- -	- -
	Apr-94	- -	- -	- -	- -	- -	- -
	Aug-94	- -	- -	- -	- -	- -	2
	Dec-94	- -	1	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	0.3
	Apr-97	- -	- -	- -	- -	- -	- -
	Sep-97	- -	- -	- -	- -	- -	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	DATE	Benzene (ug/L)	1,2-DCA (ug/L)	Total 1,2-DCE (ug/L)	PCE (ug/L)	Vinyl Chloride (ug/L)	TCE (ug/L)
	MCL	5	5	70	5	2	5
CW06-077	Jan-98	- -	- -	- -	- -	- -	- -
(cont.)	Jul-98	- -	- -	- -	- -	- -	- -
CW07-055	Sep-90	- -	- -	- -	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	1
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	- -	- -	- -	- -
	Mar-94	- -	- -	- -	- -	- -	- -
	Apr-94	- -	- -	- -	- -	- -	- -
	Aug-94	- -	- -	- -	- -	- -	- -
	Dec-94	- -	1	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	- -
	Apr-98	- -	- -	- -	- -	- -	- -
	Sep-98	- -	- -	- -	- -	- -	- -
	Jan-98	- -	- -	- -	- -	- -	- -
	Jul-98	- -	- -	- -	- -	- -	- -
CW07-100	Sep-90	- -	- -	- -	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	- -	- -	- -	- -
	Mar-94	- -	- -	- -	- -	- -	- -
	Apr-94	- -	- -	- -	- -	- -	- -
	Aug-94	- -	- -	- -	- -	- -	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	DATE	Benzene (ug/L)	1,2-DCA (ug/L)	Total 1,2-DCE (ug/L)	PCE (ug/L)	Vinyl Chloride (ug/L)	TCE (ug/L)
	MCL	5	5	70	5	2	5
CW07-100 (cont.)	Dec-94	- -	1	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	- -
	Apr-97	- -	- -	- -	- -	- -	- -
	Sep-97	- -	- -	- -	- -	- -	- -
	Jan-98	- -	- -	- -	- -	- -	- -
	Jul-98	- -	- -	- -	- -	- -	- -
CW07-148	Sep-90	- -	- -	- -	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	- -	- -	- -	- -
	Mar-94	- -	- -	- -	- -	- -	- -
CW07-183	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
CW08-017	Sep-90	- -	- -	- -	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	0.4	- -	- -	- -
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	- -	- -	- -	- -
	Mar-94	- -	- -	- -	- -	- -	- -
	Apr-94	- -	- -	- -	- -	- -	- -
	Aug-94	- -	- -	- -	- -	- -	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	DATE	Benzene (ug/L)	1,2-DCA (ug/L)	Total 1,2-DCE (ug/L)	PCE (ug/L)	Vinyl Chloride (ug/L)	TCE (ug/L)
	MCL	5	5	70	5	2	5
CW08-017 (cont.)	Dec-94	- -	- -	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	- -
CW08-055	Sep-90	- -	- -	- -	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	- -	- -	- -	- -
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
	Apr-94	- -	- -	- -	- -	- -	- -
	Aug-94	- -	- -	- -	- -	- -	- -
	Dec-94	- -	2	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	- -
	Apr-97	- -	- -	- -	- -	- -	- -
	Sep-97	- -	- -	- -	- -	- -	- -
	Jan-98	- -	- -	- -	- -	- -	- -
	Jul-98	- -	- -	- -	- -	- -	- -
CW08-110	Sep-90	- -	- -	- -	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
CW08-110	Sep-92	NA	NA	NA	NA	NA	NA
(cont.)	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
	Apr-94	- -	- -	- -	- -	- -	- -
	Aug-94	- -	- -	- -	- -	- -	- -
	Dec-94	- -	- -	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	- -
CW08-150	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
CW09-073	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
CW09-100	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
CW10-055	Oct-93	- -	- -	- -	- -	- -	4.7
	Feb-94	- -	- -	0.9	- -	- -	**6.5**
CW12-085	Nov-93	- -	- -	- -	- -	- -	- -
	Mar-94	- -	- -	- -	- -	- -	- -
CW13-085	Oct-93	- -	- -	- -	- -	- -	- -
	Mar-94	- -	- -	- -	- -	- -	- -
CW14-016	Oct-93	- -	- -	0.5	- -	- -	- -
	Mar-94	- -	- -	- -	- -	- -	- -
CW15-055	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
CW19-017	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
CW20-019	Oct-93	- -	- -	- -	- -	- -	- -
	Mar-94	1.8	- -	- -	- -	- -	- -
CW21-018	Oct-93	3.8	- -	- -	- -	- -	- -
	Feb-94	2	- -	- -	- -	- -	- -
CW21-040	Oct-93	- -	- -	- -	- -	- -	- -
	Mar-94	- -	- -	- -	- -	- -	- -
CW22-018	Oct-93	- -	- -	- -	- -	- -	- -
	Mar-94	- -	- -	- -	- -	- -	- -
CW23-024	Oct-93	- -	- -	2.4	- -	- -	- -
	Mar-94	- -	- -	2.1	- -	- -	- -
CW24-009	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
GR-050	Sep-90	- -	- -	1.9	- -	- -	1.4
	Nov-91	- -	- -	--	- -	- -	--
	Mar-92	- -	- -	--	- -	- -	--
	Jun-92	- -	- -	20	- -	- -	0.8
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	2.5	- -	- -	1
	Jan-93	- -	- -	2.5	- -	- -	**8**
	Mar-93	- -	- -	17	- -	- -	**11**
	May-93	- -	- -	12	- -	- -	**8**
	Jul-93	- -	- -	1.77	- -	- -	**11**
	Oct-93	- -	- -	1.4	- -	- -	0.97
	Feb-94	- -	- -	0.9	- -	- -	1
	Apr-94	- -	- -	1.1	0.4	0.6	1
	Aug-94	- -	- -	2	- -	- -	2
	Dec-94	- -	- -	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
GR-050	Jun-96	- -	- -	- -	- -	- -	- -
(cont.)	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	- -
HD-09S	Sep-90	- -	--	--	--	- -	--
	Nov-91	- -	0.9	--	0.9	- -	4.2
	Mar-92	- -	1	--	1	- -	3.9
	Jun-92	- -	0.9	--	0.9	- -	3.7
	Sep-92	NA	NA	NA	0.8	NA	NA
	Nov-92	- -	0.5	8	0.9	- -	**6**
	Jan-93	- -	- -	13	1	- -	**7**
	Mar-93	- -	- -	14	2	- -	**8**
	May-93	- -	--	11	2	- -	**8**
	Jul-93	- -	- -	7	1	- -	**7**
	Nov-93	- -	- -	6.2	1.6	- -	**6**
	Feb-94	- -	- -	6.8	1.1	- -	4.8
	Apr-94	- -	- -	2	0.6	- -	2
	Aug-94	- -	- -	9	1	- -	**6**
	Dec-94	- -	2	6	- -	- -	**5**
	Mar-95	- -	- -	5			
	Jun-95	- -	- -	3.56	- -	- -	3.39
	Sep-95	- -	- -	1.85	- -	- -	2.81
	Dec-95	- -	- -	2.38	- -	- -	3.36
	Mar-96	- -	- -	1.68	- -	- -	1.99
	Jun-96	- -	- -	- -	- -	- -	1.35
	Aug-96	0.85	- -	1.1	- -	- -	0.87
	Dec-96	- -	- -	1.3	- -	- -	0.9
	Feb-97	- -	- -	1	- -	- -	0.9
	Apr-97	- -	- -	1.2	0.4	- -	1.1
	Sep-97	- -	- -	1	- -	- -	1.1
	Jan-98	- -	- -	0.76	0.41	- -	1.2
	Jul-98	- -	- -	0.52	0.25	- -	0.7
HD-10D	Sep-90	- -	- -	- -	- -	- -	- -
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	- -	- -	- -	0.4
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	0.4	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
HD-10D (cont.)	Oct-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
	Apr-94	- -	- -	0.4	- -	- -	- -
	Aug-94	- -	- -	2	- -	- -	- -
	Dec-94	- -	- -	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	- -
	Apr-97	- -	- -	0.6	- -	- -	- -
	Sep-97	- -	- -	- -	- -	- -	- -
	Jan-98	- -	- -	- -	- -	- -	- -
	Jul-98	- -	- -	- -	- -	- -	- -
HD-11	Sep-90	- -	**21**	21	- -	- -	**600**
	Nov-91	- -	- -	35.3	- -	- -	**394**
	Mar-92	- -	- -	33	- -	**15**	**410**
	Jun-92	- -	- -	26	- -	**41**	**420**
	Sep-92	NA	NA	NA	NA	NA	**NA**
	Nov-92	- -	- -	24	- -	- -	**310**
	Jan-93	0.3	- -	21	- -	- -	**460**
	Mar-93	- -	- -	14	- -	- -	**350**
	May-93	- -	- -	11	- -	- -	**420**
	Jul-93	- -	- -	11	- -	- -	**390**
	Oct-93	- -	- -	7	- -	- -	**370**
	Feb-94	0.3	0.2	46	- -	0.6	**200**
	Apr-94	0.3	0.2	44	- -	0.5	**160**
	Aug-94	2	- -	44	- -	- -	**160**
	Dec-94	- -	- -	35	- -	- -	**280**
	Mar-95	- -	- -	31	- -	- -	**173**
	Jun-95	- -	- -	28.4	- -	- -	**106**
	Sep-95	- -	- -	23	- -	- -	**108**
	Dec-95	- -	- -	25.9	- -	- -	**183**
	Mar-96	- -	- -	17.9	- -	- -	**119**
	Jun-96	- -	- -	15.1	- -	- -	**66.5**
	Aug-96	- -	- -	22	- -	- -	**51**
	Dec-96	- -	- -	26.3	- -	- -	**39**
	Feb-97	- -	- -	21.9	- -	- -	**27**
	Apr-97	- -	- -	29	- -	- -	**35**

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
HD-11	Sep-97	- -	- -	22.6	- -	- -	**49**
(cont.)	Jan-98	- -	- -	15.9	- -	- -	**37**
	Jul-98	- -	- -	14.9	- -	- -	**32**
HD-12M	Sep-90	- -	- -	- -	- -	- -	**9.1**
	Nov-91	- -	- -	- -	- -	- -	4.82
	Mar-92	- -	- -	- -	- -	- -	**6**
	Jun-92	- -	- -	- -	- -	- -	**7**
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	- -	- -	- -	**7**
	Jan-93	- -	- -	- -	- -	- -	**6**
	Mar-93	- -	- -	- -	- -	- -	4
	May-93	0.2	- -	- -	- -	- -	4
	Jul-93	- -	- -	- -	- -	- -	4
	Oct-93	- -	- -	- -	- -	- -	4
	Feb-94	- -	- -	- -	- -	- -	4
	Apr-94	- -	- -	0.3	- -	- -	5
	Aug-94	- -	- -	- -	- -	- -	3
	Dec-94	- -	- -	- -	- -	- -	3
	Mar-95	- -	- -	- -	- -	- -	2
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	2.07
	Dec-95	- -	- -	- -	- -	- -	1.63
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	2.56
	Aug-96	- -	- -	- -	- -	- -	2
	Dec-96	- -	- -	- -	- -	- -	1.5
	Feb-97	- -	- -	- -	- -	- -	1.8
	Apr-97	- -	- -	- -	- -	- -	2.1
	Sep-97	- -	- -	- -	- -	- -	1.5
	Jan-98	- -	- -	- -	- -	- -	1.3
	Jul-98	- -	- -	- -	- -	- -	1.5
HD-12S	Sep-90	- -	- -	- -	**62**	- -	1
	Nov-91	- -	- -	- -	- -	- -	- -
	Mar-92	- -	- -	- -	- -	- -	- -
	Jun-92	- -	- -	- -	- -	- -	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	--	- -	NA
	Mar-93	- -	- -	- -	--	- -	NA
	May-93	- -	- -	- -	**90**	- -	2
	Jul-93	- -	- -	- -	**79**	- -	0.8
	Oct-93	- -	- -	- -	**71**	- -	1
	Feb-94	- -	- -	- -	**140**	- -	1

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
HD-12S	Apr-94	- -	- -	- -	**73**	- -	1
(cont.)	Aug-94	- -	- -	- -	**55**	- -	3
	Dec-94	- -	- -	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	**49**	- -	- -
	Sep-95	- -	- -	- -	**69.5**	- -	1.16
	Dec-95	- -	- -	- -	**44**	- -	- -
	Mar-96	- -	- -	- -	**60.4**	- -	- -
	Jun-96	- -	- -	- -	**52**	- -	1.42
	Aug-96	- -	- -	- -	**48**	- -	0.9
	Dec-96	- -	- -	- -	**44**	- -	1.1
	Feb-97	- -	- -	- -	**58**	- -	1.5
	Apr-97	- -	- -	1.8	**69**	- -	- -
	Sep-97	- -	- -	- -	**34**	- -	1.1
	Jan-98	- -	- -	- -	**46**	- -	1
	Jul-98	- -	- -	- -	- -	- -	- -
HD-13S	Sep-90	0.3	- -	63	- -	- -	**35**
	Nov-91	- -	- -	**105**	- -	- -	**32.9**
	Mar-92	- -	- -	20	- -	0.5	**24**
	Jun-92	0.3	- -	11	- -	- -	**18**
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	4	- -	- -	**9**
	Jan-93	- -	- -	9	- -	1	**8**
	Mar-93	0.3	- -	50	- -	**5**	**6**
	May-93	0.4	- -	61	- -	**12**	**9**
	Jul-93	- -	- -	33	- -	**3**	**8**
	Oct-93	- -	- -	12	- -	2	6
	Feb-94	0.2	- -	2	- -	- -	2
	Apr-94	- -	- -	1	- -	- -	2
	Aug-94	- -	- -	1	- -	- -	2
	Dec-94	- -	- -	1	- -	- -	2
	Mar-95	- -	- -	1	- -	- -	- -
	Jun-95	- -	- -	3.55	- -	- -	- -
	Sep-95	- -	- -	5.94	- -	- -	4.66
	Dec-95	- -	- -	1.12	- -	- -	**9.46**
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	1	- -	- -	1
	Dec-96	- -	- -	1	- -	- -	1.1
	Feb-97	- -	- -	1.1	- -	- -	0.9
	Apr-97	- -	- -	1	- -	- -	0.4

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
HD-13S	Sep-97	- -	- -	1.1	- -	- -	- -
(cont.)	Jan-98	- -	- -	0.8	- -	- -	0.39
	Jul-98	0.27	- -	0.53	- -	- -	- -
HD-14S	Sep-90	- -	- -	**73**	- -	**13.8**	- -
	Nov-91	--	--	--	--	--	--
	Mar-92	0.3	2	61	- -	**3**	- -
	Jun-92	0.2	2	50	- -	2	- -
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	**13**	**280**	- -	- -	- -
	Jan-93	0.2	3	64	- -	0.6	- -
	Mar-93	0.2	3	78	- -	- -	0.6
	May-93	- -	4	59	- -	1	0.2
	Jul-93	- -	4	**74**	- -	0.9	1
	Oct-93	- -	4.1	69	- -	- -	- -
	Feb-94	- -	- -	**100**	- -	1.6	0.8
	Apr-94	- -	2	**100**	- -	2	0.5
	Aug-94	- -	2	**82**	- -	2	- -
	Dec-94	- -	6	68	- -	- -	- -
	Mar-95	- -	5	50	- -	- -	- -
	Jun-95	- -	3	39.9	- -	- -	- -
	Sep-95	- -	2.24	28.6	- -	- -	- -
	Dec-95	- -	- -	22.9	- -	- -	- -
	Mar-96	- -	2.44	- -	- -	- -	- -
	Jun-96	- -	- -	16.5	- -	- -	- -
	Aug-96	- -	1.2	21	- -	- -	- -
	Dec-96	- -	1	15	- -	- -	- -
	Feb-97	- -	- -	11.4	- -	- -	- -
	Apr-97	- -	- -	12	- -	- -	- -
	Sep-97	- -	- -	16	- -	- -	- -
	Jan-98	- -	1.7	11.46	- -	- -	- -
	Jul-98	- -	1	10.36	- -	- -	- -
EW-1	Sep-90	NA	NA	NA	NA	NA	NA
	Nov-91	NA	NA	NA	NA	NA	NA
	Mar-92	NA	NA	NA	NA	NA	NA
	Jun-92	- -	- -	47	- -	**3**	**247**
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	40	- -	1	**230**
	Mar-93	- -	- -	28	- -	- -	**130**
	May-93	- -	- -	37	- -	0.9	**160**
	Jul-93	- -	- -	26	- -	0.5	**110**

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
MW-131-D (CT-4)	Sep-90	NA	NA	NA	NA	NA	NA
	Nov-91	NA	NA	NA	NA	NA	NA
	Mar-92	NA	NA	NA	NA	NA	NA
	Jun-92	NA	NA	NA	NA	NA	NA
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	3	- -	- -	- -
	Jan-93	- -	0.4	3	- -	- -	- -
	Mar-93	- -	- -	3	- -	- -	1
	May-93	- -	- -	3	- -	0.6	- -
	Jul-93	- -	- -	2	- -	- -	- -
	Oct-93	- -	- -	2.3	- -	- -	- -
	Feb-94	- -	- -	2.9	- -	- -	- -
	Apr-94	- -	- -	2	- -	0.3	- -
	Aug-94	- -	- -	3	- -	- -	- -
	Dec-94	- -	2	3	- -	- -	- -
	Mar-95	- -	- -	2	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	1.51	- -	- -	- -
	Dec-95	- -	- -	1.83	- -	- -	- -
	Mar-96	- -	- -	1.68	- -	- -	1.22
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	1.3	- -	- -	- -
	Dec-96	- -	- -	1.3	- -	- -	- -
	Feb-97	- -	- -	1.4	- -	- -	- -
	Apr-97	- -	- -	2.2	- -	- -	- -
	Sep-97	- -	- -	1.5	- -	- -	- -
	Jan-98	- -	- -	0.97	- -	- -	- -
	Jul-98	0.21	- -	0.94	- -	- -	- -
MW-131-M (HSA-4A)	Sep-90	NA	NA	NA	NA	NA	NA
	Nov-91	NA	NA	NA	NA	NA	NA
	Mar-92	NA	NA	NA	NA	NA	NA
	Jun-92	NA	NA	NA	NA	NA	NA
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	3	- -	- -	**260**
	Jan-93	- -	- -	3	- -	- -	**300**
	Mar-93	- -	- -	3	- -	- -	**260**
	May-93	0.3	- -	5	- -	- -	**260**
	Jul-93	- -	- -	5	- -	- -	**230**
	Oct-93	- -	- -	23	- -	- -	**190**
	Feb-94	- -	0.7	50	- -	- -	**66**
	Apr-94	- -	- -	**97**	- -	1	**58**
	Aug-94	- -	- -	**90**	- -	- -	**53**
	Dec-94	- -	2	**74**	- -	1	**35**

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
MW-131-M	Mar-95	- -	- -	64	- -	- -	**40**
(HSA-4A)	Jun-95	- -	- -	67.5	- -	- -	**34.9**
(cont.)	Sep-95	- -	- -	49.2	- -	- -	**39.1**
	Dec-95	- -	- -	48.9	- -	- -	**44.4**
	Mar-96	- -	- -	24.8	- -	- -	**43.8**
	Jun-96	- -	- -	9.27	- -	- -	**36.8**
	Aug-96	- -	- -	25.9	- -	- -	**33**
	Dec-96	- -	- -	36	- -	- -	**27**
	Feb-97	- -	- -	33.6	- -	**4.3**	**25**
	Apr-97	- -	- -	51	- -	**8.1**	**36**
	Sep-97	- -	- -	19	- -	**3.7**	**41**
	Jan-98	- -	- -	12.3	- -	1.3	**33**
	Jul-98	- -	- -	8.09	- -	- -	**30**
MW-131-S	Sep-90	NA	NA	NA	NA	NA	NA
(HSA-4B)	Nov-91	NA	NA	NA	NA	NA	NA
	Mar-92	NA	NA	NA	NA	NA	NA
	Jun-92	NA	NA	NA	NA	NA	NA
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	- -	**10**	- -	**26**
	Jan-93	- -	- -	- -	**10**	- -	**23**
	Mar-93	- -	- -	- -	**9**	- -	**19**
	May-93	- -	- -	- -	**7**	- -	**19**
	Jul-93	- -	- -	- -	**9**	- -	**14**
	Nov-93	- -	- -	- -	**6.7**	- -	**14.5**
	Feb-94	- -	- -	- -	**6.3**	- -	**9.8**
	Apr-94	- -	- -	0.6	**8**	- -	**8**
	Aug-94	- -	- -	1	5	- -	**7**
	Dec-94	- -	2	- -	4	- -	**8**
	Mar-95	- -	- -	- -	4	- -	**10**
	Jun-95	- -	- -	- -	2.95	- -	**5.56**
	Sep-95	- -	- -	- -	4.71	- -	4.16
	Dec-95	- -	- -	- -	3.29	- -	4.22
	Mar-96	- -	- -	- -	3.52	- -	2.88
	Jun-96	- -	- -	- -	4.4	- -	- -
	Aug-96	- -	- -	- -	2.8	- -	2.5
	Dec-96	- -	- -	1.2	1.8	- -	1.8
	Feb-97	0.2	- -	0.9	2.3	- -	1.7
	Apr-97	- -	- -	1.3	3.4	- -	1.7
	Sep-97	- -	- -	0.8	1.5	- -	**31**
	Jan-98	- -	- -	0.75	1.4	- -	2.6
	Jul-98	- -	- -	0.43	3.5	- -	1.4

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	DATE	Benzene (ug/L)	1,2-DCA (ug/L)	Total 1,2-DCE (ug/L)	PCE (ug/L)	Vinyl Chloride (ug/L)	TCE (ug/L)
	MCL	5	5	70	5	2	5
MW-132-15	Sep-90	NA	NA	NA	NA	NA	NA
	Nov-91	NA	NA	NA	NA	NA	NA
	Mar-92	NA	NA	NA	NA	NA	NA
	Jun-92	NA	NA	NA	NA	NA	NA
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Oct-93	- -	- -	- -	3	- -	- -
	Feb-94	- -	- -	- -	3.2	- -	- -
MW-132-D (CT-5)	Sep-90	NA	NA	NA	NA	NA	NA
	Nov-91	NA	NA	NA	NA	NA	NA
	Mar-92	NA	NA	NA	NA	NA	NA
	Jun-92	NA	NA	NA	NA	NA	NA
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Nov-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jan-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	- -
	Apr-97	- -	- -	- -	- -	- -	- -
	Sep-97	- -	- -	- -	- -	- -	- -
	Jan-98	- -	- -	- -	- -	- -	- -
	Jul-98	- -	- -	- -	- -	- -	- -
MW-132-S (HSA-5)	Sep-90	NA	NA	NA	NA	NA	NA
	Nov-91	NA	NA	NA	NA	NA	NA
	Mar-92	NA	NA	NA	NA	NA	NA
	Jun-92	NA	NA	NA	NA	NA	NA
	Sep-92	NA	NA	NA	NA	NA	NA
	Nov-92	- -	- -	0.7	**14**	- -	**31**
	Jan-93	- -	- -	0.7	**13**	- -	**29**

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	DATE	Benzene (ug/L)	1,2-DCA (ug/L)	Total 1,2-DCE (ug/L)	PCE (ug/L)	Vinyl Chloride (ug/L)	TCE (ug/L)
	MCL	5	5	70	5	2	5
MW-132-S	Mar-93	- -	- -	0.6	**15**	- -	**32**
(HSA-5)	May-93	- -	- -	0.4	**16**	- -	**33**
(cont.)	Jul-93	- -	- -	- -	**13**	- -	**28**
	Nov-93	- -	- -	- -	**12.1**	- -	**20.6**
	Feb-94	- -	- -	1.2	**10.5**	- -	**25**
	Apr-94	- -	- -	4	**11**	- -	**25**
	Aug-94	- -	- -	3	**9**	- -	**27**
	Dec-94	- -	- -	2	**9**	- -	**35**
	Mar-95	- -	- -	2	**9**	- -	- -
	Jun-95	- -	- -	- -	**5.08**	- -	**28.4**
	Sep-95	- -	- -	1.06	**8.68**	- -	**34.5**
	Dec-95	- -	- -	- -	**6.2**	- -	**31.3**
	Mar-96	- -	- -	2.55	- -	- -	**30.6**
	Jun-96	- -	- -	3.51	**5.49**	- -	**31.9**
	Aug-96	- -	- -	1.9	**6**	- -	**30**
	Dec-96	- -	- -	2.7	**5.7**	- -	**28**
	Feb-97	0.2	- -	2.1	**6.8**	- -	**31**
	Apr-97	- -	- -	2.4	**8**	- -	**40**
	Sep-97	- -	- -	1.5	**6.5**	- -	**33**
	Jan-98	- -	- -	1.1	**6.5**	- -	**31**
	Jul-98	- -	- -	0.64	**6.3**	- -	**32**
MW-133-D	Sep-90	NA	NA	NA	NA	NA	NA
(CT-6)	Nov-91	NA	NA	NA	NA	NA	NA
	Mar-92	NA	NA	NA	NA	NA	NA
	Jun-92	NA	NA	NA	NA	NA	NA
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Nov-93	- -	- -	- -	- -	- -	- -
	Feb-94	0.7	- -	- -	- -	- -	- -
	Apr-94	- -	- -	- -	- -	- -	- -
	Aug-94	- -	- -	- -	- -	- -	- -
	Dec-94	- -	3	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	- -	- -	- -	- -
	Dec-95	- -	- -	- -	- -	- -	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -

Table A-3
OU5 Historic Groundwater
Sampling Results: VOCs
Wright-Patterson AFB, Ohio

		CHEMICAL COMPOUND*					
WELL ID	**DATE**	**Benzene (ug/L)**	**1,2-DCA (ug/L)**	**Total 1,2-DCE (ug/L)**	**PCE (ug/L)**	**Vinyl Chloride (ug/L)**	**TCE (ug/L)**
	MCL	**5**	**5**	**70**	**5**	**2**	**5**
MW-133-D	Feb-97	- -	- -	- -	- -	- -	- -
(CT-6)	Apr-97	- -	- -	- -	- -	- -	- -
(cont.)	Sep-97	- -	- -	- -	- -	- -	- -
	Jan-98	- -	- -	- -	- -	- -	- -
	Jul-98	- -	- -	- -	- -	- -	- -
MW-133-S	Sep-90	NA	NA	NA	NA	NA	NA
(HSA-6)	Nov-91	NA	NA	NA	NA	NA	NA
	Mar-92	NA	NA	NA	NA	NA	NA
	Jun-92	NA	NA	NA	NA	NA	NA
	Sep-92	NA	NA	NA	NA	NA	NA
	Jan-93	- -	- -	- -	- -	- -	- -
	Mar-93	- -	- -	- -	- -	- -	- -
	May-93	- -	- -	- -	- -	- -	- -
	Jul-93	- -	- -	- -	- -	- -	- -
	Nov-93	- -	- -	- -	- -	- -	- -
	Feb-94	- -	- -	- -	- -	- -	- -
	Apr-94	- -	- -	- -	0.6	- -	1
	Aug-94	- -	- -	- -	0.6	- -	1
	Dec-94	- -	- -	- -	- -	- -	- -
	Mar-95	- -	- -	- -	- -	- -	- -
	Jun-95	- -	- -	- -	- -	- -	- -
	Sep-95	- -	- -	3	- -	- -	- -
	Dec-95	1.02	- -	- -	- -	**3.18**	- -
	Mar-96	- -	- -	- -	- -	- -	- -
	Jun-96	- -	- -	- -	- -	- -	- -
	Aug-96	- -	- -	- -	- -	- -	- -
	Dec-96	- -	- -	- -	- -	- -	- -
	Feb-97	- -	- -	- -	- -	- -	- -
	Apr-97	- -	- -	- -	- -	- -	0.3
	Sep-97	- -	- -	- -	- -	- -	- -
	Jan-98	- -	- -	- -	- -	- -	- -
	Jul-98	- -	- -	- -	- -	- -	- -

* = Data Sources: 1995 Remedial Investigation (RI) Report
1998 Removal Action System Performance Report (RASPR) #27
- - = Non Detect
NA = Not Available
Bold = Concentration exceeds MCL.

Appendix B

OU1 Field Data Forms

B-1 OU1 Sample Collection Forms – July and October
B-2 OU1 Water Level Field Forms – July and October
B-3 OU1 Explosive Gas Monitoring Field Logs – July and October

B-1

OU1 Sample Collection Forms: July and October 2000

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: EW-0803 Sample Number: WP-EW0803-0700-GW01

Purging Method/Equipment: Extraction Samplers DW/JP Well Secure (Y/N) Y

Well Casing Diameter: N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A Static Water Level (Depth to Water): 43.11

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/00	1415	N/A	43.11	N/A	21.4	7.84	1.22	90	-154.1	13.49	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 7/27/00 Sample Collection Time: 1430

Prepared by: DW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: EW-0807 Sample Number: WP-EW-0807-0700-GW01

Purging Method/Equipment: Extraction Samplers DR/VV Well Secure (Y/N) Y

Well Casing Diameter: N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A Static Water Level (Depth to Water): 31.67

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/00	1437	N/A	N/A	N/A	20.9	7.69	2.09	999	~~+6.5~~ 165.1	12.67	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 7/27/00 Sample Collection Time: 1445

Prepared by: D. Raser

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 041 Well #: EW-0812 Sample Number: WP-EW-0812-0700-GW01

Purging Method/Equipment: Extraction Samplers DR/VV Well Secure (Y/N) Y

Well Casing Diameter: N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A **Static Water Level** (Depth to Water): 37.31

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/00	1416	N/A	N/A	N/A	21.0	6.69	2.38	335	1.5	13.18	cloudy

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 7/27/00 Sample Collection Time: 1425

Prepared by: D. Raser

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: EW-0816 Sample Number: WP-EW-0816-GW01

Purging Method/Equipment: Extraction Samplers DR/VV Well Secure (Y/N) Y

Well Casing Diameter: N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A Static Water Level (Depth to Water): ~~N/A~~ DR 27.91

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/00	1337	N/A	N/A	N/A	27.1	6.39	2.72	494	2.5	10.39	cloudy

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: ___ MS/MSD: EW-0816-0700MS EW-0816-0700MSD

Sample Collection Date: 7/27/00 Sample Collection Time: 1350

Prepared by: D. Rasor

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: EW-1001 Sample Number: WP-EW1001-0700-GW01

Purging Method/Equipment: Extraction Samplers DRasor / VV Well Secure (Y/N) Y

Well Casing Diameter: N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A Static Water Level (Depth to Water): N/A BTP

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/00	1040		N/A		25.4	6.02	1.82	7.49	14.2	8.70	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: WP-EW-1001-0700-GW51 MS/MSD: /

Sample Collection Date: _____ Sample Collection Time: _____

Prepared by: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 041

Well #: EW-1003

Sample Number: —

Purging Method/Equipment: Extraction

Samplers D Rasor/VV

Well Secure (Y/N) Y

Well Casing Diameter: N/A in.

Unit Casing Volume (UC): N/A gal.

Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A

Static Water Level (Depth to Water): 19.57

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7-27-00	1015		19.57	would not produce any water							

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: _____ Sample Collection Time: _____

Prepared by: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: EW-1006 Sample Number: WP-EW-1006-GW01

Purging Method/Equipment: Extraction Samplers DR/VV Well Secure (Y/N) Y

Well Casing Diameter: N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A Static Water Level (Depth to Water): 28.94

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/00	1106	N/A	N/A	N/A	19.2	6.80	3.30	121	138.9	12.28	cloudy

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 7/27/00 Sample Collection Time: 1111

Prepared by: D. Raser

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU 1 Well #: EW-1008 Sample Number : WP-EW1008-0700-GW01

Purging Method/Equipment: Extraction Samplers DR/VV Well Secure (Y/N) Y

Well Casing Diameter : N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A **Static Water Level** (Depth to Water): N/A DRY

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/00	—	—	—	—	DRY	—	—	—	—	—	—

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: _____ **Sample Collection Time:** _____

Prepared by: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: EW-1012 Sample Number: WP-EW1012-0700-GW01

Purging Method/Equipment: Extraction Samplers DW / J.P. Well Secure (Y/N) Y

Well Casing Diameter: N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A **Static Water Level** (Depth to Water): 29.28

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/00	1050		29.28	Would not produce any water.							

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: _____ **Sample Collection Time:** _____

Prepared by: DW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU 1 Well #: EW-1015 Sample Number: WP-EW1015-0700-GW01

Purging Method/Equipment: Extraction well Samplers D. Warner / J. Pease Well Secure (Y/N) Y

Well Casing Diameter: N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A Static Water Level (Depth to Water): 49.10

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/00	1030		49.10	Would not produce any water.							

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: _____ Sample Collection Time: _____

Prepared by: DW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: EW-1019 Sample Number: _____

Purging Method/Equipment: Extraction Samplers DR/VV Well Secure (Y/N) Y

Well Casing Diameter: N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A **Static Water Level** (Depth to Water): N/A DRY

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/00	1310	—	—	DRY	—	—	—	—	—	—	DRY

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: — Sample Collection Time: —

Prepared by: D. Rasor

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: EW-1020 Sample Number: WP-EW1020-0700-GW01

Purging Method/Equipment: Extraction Samplers DW/JP Well Secure (Y/N) Y

Well Casing Diameter: N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A Static Water Level (Depth to Water): N/A DRY

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/00	—	—	—	DRY	—	—	—	—	—	—	—

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: _____ Sample Collection Time: _____

Prepared by: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: EW1024 Sample Number: WP-EW1024-0700-GW01

Purging Method/Equipment: Extraction Samplers DW/JP Well Secure (Y/N) Y

Well Casing Diameter: N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A Static Water Level (Depth to Water): 34.77

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/00	1300	N/A	34.77	N/A	20.0	6.61	1.33	100	-262.7	11.61	Cloudy, orange tint, no odor

Test Parameters: (metals (HNO_3)) Fmetals (VOC (HCl)) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 7/27/00 Sample Collection Time: 1315

Prepared by: DW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: EW-1025 Sample Number: _____

Purging Method/Equipment: Extraction Samplers DR/VV Well Secure (Y/N) Y

Well Casing Diameter: N/A in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A **Static Water Level** (Depth to Water): N/A DRY

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/27/01	1321	N/A	—	DRY	—	—	—	—	—	—	DRY

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: — Sample Collection Time: —

Prepared by: D. Rasor

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Well Development/Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU 1

Well #: LF8/10-LW07-2000

Sample Number: LF8/10-LW07-2000

Purging Method/Equipment: N/A

Samplers DW/DR

Well Secure (Y/N): Y

Well Casing Diameter: N/A in.

Unit Casing Volume (UC): N/A gal.

Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A

Static Water Level (Depth to Water): N/A

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO (mg/L)	Water Description
7/28/00	0915	NA	N/A	NA	21.3	7.55	2.05	30	208.2	9.46	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH) BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 7/28/00 Sample Collection Time: 0930

Prepared by: DW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: LF08-MW02A Sample Number: WP-LF08-MW02A-1000

Purging Method/Equipment: BLADDER PUMP Samplers CP/NV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 56.0 **Static Water Level** (Depth to Water): 5.58

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/23/00	1605	0.3	7.72	0	15.1	7.57	1.50	0	—	7.45	
	1610	0.3	11.52	0.5	13.7	7.41	2.96	0	-168.7	2.23	
	1615	0.3	13.09	1.0	13.6	7.45	1.99	1	-182.3	0.77	
	1622	0.3	15.04	1.7	13.7	7.51	1.39	0	-191.2	0.60	
	1625	0.3	16.85	2.0	13.8	7.51	1.29	0	-192.1	0.60	
	1630	0.3	18.68	2.4	14.0	7.53	1.21	0	-191.8	0.53	
	1635	0.3	19.21	2.8	14.2	7.52	1.20	0	-190.7	0.52	
	1640	COLLECT SAMPLE									
	1655		35.73	POST	13.2	7.54	1.13	1	-147.9	5.22	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** /

Sample Collection Date: 10/23/00 **Sample Collection Time:** 1640

Prepared by: CP

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-LF08-MW02C Sample Number: WP-LF08-MW02C-1000

Purging Method/Equipment: BLADDER PUMP Samplers CP/VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): 24.0 **Static Water Level** (Depth to Water): 13.05

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/23/00	1445	0.3	14.05	0	14.4	7.54	0.850	1	137.8	1.31	
	1450	0.3	14.36	1.2	14.7	7.38	0.809	1	132.0	2.48	
	1455	0.3	14.35	1.6	15.0	7.32	0.809	1	125.0	3.08	
	1500	0.3	14.49	2.0	14.8	7.33	0.827	4	121.8	3.49	
	1505	0.3	14.49	3.0	14.2	7.38	0.902	1	121.7	3.19	
	1510	0.3	14.75	3.4	14.4	7.42	0.842	3	123.0	3.25	
	1515	0.3	15.00	4.1	14.3	7.34	0.920	3	126.0	2.54	
	1520	0.3	15.27	5.0	14.3	7.29	1.00	3	130.2	2.29	
	1525	0.3	16.02	6.0	14.3	7.28	1.05	3	129.5	2.51	
	1530	COLLECT SAMPLE									
	1550	0.3	18.99	POST	14.7	7.38	1.07	0	134.1	1.79	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/13/00 **Sample Collection Time:** 1530

Prepared by: CP

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 011 Well #: LF08-MW05B Sample Number: WP-LF08-MW05B-1000

Purging Method/Equipment: Bladder Samplers DW/JO Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: N/A (Micro) gal

Sounding (Depth to Well Bottom): N/A **Static Water Level** (Depth to Water): 20.67

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
11/2/00	1125	Initial	23.00	Initial	14.3	7.62	1.01	114	130.9	0.68	
	1130	.10	25.45	.50	14.0	7.59	1.03	100	125.7	2.01	
	1135	.10	25.40	1.0	14.5	7.59	1.02	10	114.0	3.38	
	1140	.05	25.35	1.25	15.1	7.64	1.00	10	97.4	7.18	
	1145	.05	25.40	1.50	14.9	7.63	1.00	1	77.4	6.16	
	1150	.05	25.40	1.75	14.8	7.67	1.00	0	52.7	6.79	
	1155	SAMPLED									
	1210	0.05	25.51	2.50	14.5	7.65	1.01	0	65.7	8.31	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** ___ **MS/MSD:** /

Sample Collection Date: 11/2/00 **Sample Collection Time:** 1155

Prepared by: DW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: LF08MW08A Sample Number: WP-LF08-MW08A-1000

Purging Method/Equipment: Bladder pump Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): 32.15 **Static Water Level** (Depth to Water): 6.0

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-24	1338	initial	6.00	initial	14.3	7.38	.709	54	-35.7	5.49	
	1349		7.34	2	13.9	7.32	.716	12	-97.5	3.44	
	1358		7.68	4	14.0	7.40	.728	24	-108.9	.54	
	1403		7.72	4.5	14.3	7.41	.724	15	-110.4	.17	
	1408		7.72	5	14.2	7.41	.723	0	-111.7	.12	
	1413		8.0	5.8	13.9	7.43	.722	10	-111.2	.08	
	1418		8.13	6.5	13.8	7.41	.722	10	-112.6	.22	
	1423		8.22	7	13.8	7.43	.722	10	-114.2	.09	
	1428		8.33	7.5	13.9	7.42	.722	9	-116.1	.08	
	1433		8.41	8	14.0	7.43	.722	7		.09	
	1440	collect sample									
	1447		9.11		14.3	7.38	.722	7	-95.9	2.95	

Test Parameters: (Tmetals (HNO_3)) Fmetals (VOC (HCl)) (SVOC) (Pest/PCB) (Dioxin/Furans) (NH3 (H_2SO_4)) (CN (NaOH))
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO (Extra)

QA/QC Samples Taken (Circle Applicable): (None) **Duplicate/Split:** _____ **MS/MSD:** _____ 1 _____

Sample Collection Date: 10-24-00 **Sample Collection Time:** 1440

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: LF08MW08B Sample Number: WP-LF08-MW08B-1000 -5000

Purging Method/Equipment: bladder Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): 26.61 **Static Water Level** (Depth to Water): 5.0

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-24	1022		5.38	initial	16.1	8.61	.465	7	179.2	6.36	
	1033	.2gal/min	6.55	2	14.1	7.40	.716	3	-67.7	.43	
	1045		6.55	4	14.0	7.42	.718	2	-87.7	.81	
	1050		6.72	4.7	14.4	7.44	.715	1	-90.1	.57	
	1055		6.68	5.2	14.6	7.44	.714	1	-92.4	.89	
	1100		6.68	5.7	14.7	7.43	.717	0	-94.2	.82	
	1105		6.68	6.2	14.8	7.44	.717	0	-94.5	.73	
	1110		6.68	6.7	14.9	7.42	.721	0	-93.4	1.13	
	1115		6.68	7.2	14.9	7.43	.721	0	-95.0	0.79	
	1120		collect sample								
	1205		7.78		14.5	7.42	.717	5	-97.3	1.81	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: 5000 MS/MSD: /

Sample Collection Date: 10-24-00 **Sample Collection Time:** 1120

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: LF08MW08C Sample Number: WP-LF08-MW08C-1000

Purging Method/Equipment: bailer Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): 2.39 gal. Target Purge Volume: 7.18 gal

Sounding (Depth to Well Bottom): 15.45 **Static Water Level** (Depth to Water): 7.73

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-24	0915		7.73	initial	16.4	6.44	.879	9	178.8	10.14	
	0920			2	16.4	7.02	0.92	3	176.5	10.09	
	0925			4	16.3	7.10	1.00	8	171.6	10.12	
	0932			6	16.2	7.32	0.92	6	169.6	10.19	
	0936										dry
	~~1332~~ 1455		collected samples								
	1503		9.10		16.6	7.36	1.15	5	-1.7	10.08	

Test Parameters: ~~Tmetals (HNO3)~~, Fmetals, ~~VOC (HCl)~~, ~~SVOC~~, ~~Pest/PCB~~, ~~Dioxin/Furans~~, ~~NH3 (H2SO4)~~, CN (NaOH), BTEX (HCl), Sulfate/Nitrate, Methane/Ethane/Ethene (no preserv), TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-24-00 **Sample Collection Time:** ~~1330~~ 1455

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-LF08-MW09A- Sample Number: WP-LF08-MW09A-1000

Purging Method/Equipment: Bladder Samplers S.Ochs/M.Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 15.36

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft) ✱	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-23-00	1454	start	pumping								
	1500	0.2	16.20	0.3	14.4	6.86	0.425	1	134.4	1.77	
	1505	0.1	16.20	0.6	14.3	6.86	0.431	0	149.2	1.32	
	1510	0.1	21.52	0.9	14.1	6.89	0.427	0	154.7	3.08	
	1515	0.1	21.52	~~✱~~ 1.3	13.6	6.98	0.426	0	153.9	6.27	
	1520	0.2	26.70	2.0	12.9	7.11	0.428	0	147.1	7.69	
	1525	0.2	26.70	2.3	13.4	7.14	0.426	0	142.8	7.21	
	1530	0.2	26.70	2.5	14.3	7.15	0.425	0	141.8	7.46	
	1535	SAMPLE									
	1605	0.2	~~✱~~ 23.90	POST	13.2	6.82	0.439	3	-10.2	1.71	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-23-00 **Sample Collection Time:** 1535

Prepared by: SO/MW

✱ - water level meter is malfunctioning - which is causing false readings

N:\COMMON3\PLAMONDO\LTM\FORMS\GWPRGLOG

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-LF08-MW09B-~~1500~~ MW Sample Number: WP-LF08-MW09B-1000

Purging Method/Equipment: Bladder Samplers J. Ocho/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 14.60

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-23-00	1340	Start purging									
	1345	0.3	14.80	0.8	14.3	6.62	0.602	2	130.2	3.04	
	1350	0.3	14.75	1.3	14.6	6.62	0.601	1	133.9	2.87	
	1355	0.2	14.70	1.8	14.8	6.60	0.601	0	136.7	2.71	
	1400	0.2	14.70	2.3	14.7	6.58	0.604	1	142.5	2.73	
	1405	0.2	14.70	2.7	14.8	6.55	0.603	0	144.4	2.55	
	1410	0.2	14.70	3.1	14.8	6.54	0.605	0	147.3	2.50	
	1415	SAMPLE									
	1435	0.2	~~14.~~ 13.90	POST	15.4	6.57	0.602	2	152.8	3.39	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-23-00 **Sample Collection Time:** 1415

Prepared by: JD/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-LF08-MW10A Sample Number: WP-LF08-MW10A

Purging Method/Equipment: Bladder Samplers: J. Ocho / M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 166.0 **Static Water Level** (Depth to Water): 27.76

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-25-00	1340	Start	purging								
	1345	0.1	28.80	0.5	14.4	6.91	0.429	0	-130.8	1.45	
	1350	0.1	29.03	1.0	14.2	6.90	0.428	0	-134.5	0.66	
	1355	0.2	29.21	1.6	14.0	6.89	0.429	1	-139.2	0.50	
	1400	0.2	29.28	2.2	13.9	6.88	0.428	0	-142.0	0.46	
	1405	0.2	29.25	2.8	13.8	6.87	0.428	0	-143.1	0.52	
	1410	0.2	29.30	3.3	13.8	6.85	0.428	1	-144.1	0.59	
	1415	0.2	29.35	3.8	13.7	6.83	0.428	1	-144.4	0.62	
	1420	SAMPLE									
	1445	0.2	29.50	POST	14.3	6.88	0.425	0	-137.7	2.28	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-25-00 **Sample Collection Time:** 1420

Prepared by: JD/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-LF08-MW10B Sample Number: WP-LF08-MW10B-1000

Purging Method/Equipment: Bladder Samplers S. Ocho / M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter : _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 38.0 **Static Water Level** (Depth to Water): 25.20

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-25-00	0910	start purging									
	0915	0.3	27.90	0.8	13.8	6.35	1.58	27	-31.3	0.32	
	0920	0.1	27.75	1.2	13.9	6.35	1.59	29	-30.9	0.36	
	0925	0.1	27.53	1.5	14.0	6.31	1.59	27	-28.8	0.48	
	0930	0.1	27.44	2.0	14.0	6.28	1.59	24	-26.9	0.51	
	0935	0.1	27.32	2.2	14.0	6.26	1.60	25.0	-26.0	0.49	
	0940	0.1	26.92	2.5	14.0	6.26	1.60	24.0	-22.4	0.99	
	0945	SAMPLE									
	1140	0.1	27.30	POST	14.7	6.35	1.59	0	3.0	1.96	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ MS/MSD _____ / _____

Sample Collection Date: 10-25-00 **Sample Collection Time:** 0945

Prepared by: SD/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: MW

Well #: WP-LF8-MW10C

Sample Number: WP-LF8-MW10C-1000

Purging Method/Equipment: Bailer

Samplers M. Woodruff/J. Ocho

Well Secure (Y/N) Y

Well Casing Diameter: _____ in.

Unit Casing Volume (UC): _____ gal.

Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____

Static Water Level (Depth to Water): _____

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description

DRY WELL

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)

BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: _____ **Sample Collection Time:** _____

Prepared by: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-LF08-MW101- Sample Number: WP-LF08-MW101-1000

Purging Method/Equipment: Bladder Samplers J. Ocho/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 68.0 **Static Water Level** (Depth to Water): 34.60

Date	Time (24hr) 0910	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-24-00	~~0855~~ MW	start	purging								
	0925	0.1	39.40	0.5	13.8	6.95	0.413	1	-173.0	0.92	gray/cloudy
	0930	0.2	40.70	1.0	13.7	6.97	0.418	1	-177.4	0.48	
	0935	0.2	42.50	1.4	13.7	6.96	0.410	0	-177.7	0.36	
	0940	0.2	43.70	1.7	13.7	6.96	0.307	0	-173.4	0.34	
	0945	0.1	44.50	2.0	13.8	6.97	0.257	0	-168.2	0.26	
	0950	0.1	45.20	2.2	13.9	6.98	0.234	19	-167.0	0.27	
	0955	0.1	45.90	2.5	14.0	6.99	0.219	14	-166.1	0.23	
	1000	SAMPLE									
	1055	0.1	56.60	POST	14.2	7.05	0.171	93	-132.9	1.19	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) ~~CN (NaOH)~~
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-24-00 **Sample Collection Time:** 1000

Prepared by: JO/MW

ID # 99
CPM 4

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 **Well #:** LF08-MW102 **Sample Number:** WP-LF08-MW102-1000

Purging Method/Equipment: bladder **Samplers** DW/KM **Well Secure (Y/N)** Y

Well Casing Diameter: 2 in. **Unit Casing Volume (UC):** _____ gal. **Target Purge Volume:** _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 37.94

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/18	0915		40.85	Initial	12.6	7.07	0.588	10	64.3	2.32	
	0920		40.95	0.5	12.5	7.34	0.776	5	-66.4	10.28	
	0925		41.42	1.0	12.1	7.41	0.805	3	-81.1	10.73	
	0930		41.47	1.75	12.0	7.42	0.777	2	-81.8	10.67	
	0935		41.45	2.00	11.6	7.44	0.758	1	-80.2	10.77	
	0940		41.35	2.2	11.0	7.44	0.726	1	-77.2	6.29	
	0945		Collect	Sample	~~12.7~~						
	1105		52.75	Post	12.7	7.35	0.804	1	-105.7	0.96	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/18/00 **Sample Collection Time:** 0945

Prepared by: K. Merauno

Note: Split w/ OEPA

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 **Well #:** WP-LF08-MW103 **Sample Number:** WP-LF08-MW103-1000

Purging Method/Equipment: Bladder **Samplers** J.Ocho/M.Woodruff **Well Secure (Y/N)** Y

Well Casing Diameter: _____ in. **Unit Casing Volume (UC):** _____ gal. **Target Purge Volume:** 2 gal

Sounding (Depth to Well Bottom): 68.0 **Static Water Level** (Depth to Water): 37.35

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-24-00	1130	Start	purging								
	1135	0.2	40.92	0.5	14.0	6.90	0.363	10	-132.4	1.31	cloudy/gray
	1140	0.2	42.80	1.0	13.8	6.90	0.326	13	-141.8	0.58	
	1145	0.1	43.50	1.3	14.2	6.95	0.256	11	-134.8	0.48	
	1150	0.1	44.80	1.5	14.4	6.97	0.242	9	-131.6	0.39	
	1155	0.1	44.38	1.8	14.4	6.97	0.244	6	-131.0	0.68	
	1200	0.1	44.70	2.1	14.4	6.98	0.258	6	-126.8	1.01	
	1205	0.1	44.85	2.3	14.5	6.97	0.267	5	-125.1	1.87	
	1210	0.1	45.15	2.6	14.7	6.98	0.274	4	-123.3	1.87	
	1215	SAMPLE									
	1255	0.1	49.60	POST	~~14.8~~	7.02	0.300	7	-117.7	2.65	
					14.7 mw						

Test Parameters: Tmetals (HNO3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-24-00 **Sample Collection Time:** 1215

Prepared by: JO/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-02-DM81D-M Sample Number: WP-02-DM81D-M-1000

Purging Method/Equipment: Bladder Samplers G. Plamondon / D. Warner Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 30.29

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/30/00	1050	0.4	31.33	2	13.9	7.26	.832	192	-76.8	1.84	
	1055	.05	31.24	2.25	15.2	7.27	.834	158	-68.3	2.36	
	1100	.05	31.32	2.50	15.0	7.28	.838	130	-72.5	2.34	
	1105	.05	31.39	2.75	14.5	7.28	.835	108	-76.3	2.53	
	1110	.05	31.45	3.0	14.5	7.28	.839	102	-85.9	2.16	
	1115	.05	31.40	3.25	14.6	7.28	.837	93	-87.5	2.01	
	1120	.05	31.50	3.50	14.8	7.31	.847	76	-92.0	2.55	
	1125	.05	31.52	3.75	14.6	7.32	.845	73	-89.1	2.38	
	1130	.05	31.45	4.0	15.3	7.30	.841	70	-90.8	1.99	
	1135	Dumped flow-thru cell to clean Horiba. No reading taken									
	1140	.05	31.47	4.25	15.4	7.33	.849	48	-91.2	2.66	
	1145	.05	31.50	4.50	15.2	7.32	.845	48	-91.9	1.80	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/30/00 **Sample Collection Time:** 1150

Prepared by: GP/DW

12	.05	31.98	POST	15.3	7.30	1.04	44	-93.4	2.07	

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-02-DM-81S-M Sample Number: WP-02-DM-81S-M-1000

Purging Method/Equipment: Bladder Samplers J. Ocho/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 36.3 Static Water Level (Depth to Water): 29.98

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-27-00	0913	start purging									
	0920	0.1	29.97	0.01	13.7	7.42	0.357	10	-167.8	2.68	
	0925	0.1	29.97	0.1	13.9	7.42	0.358	10	-164.7	3.02	
	0930	0.001	29.96	0.1	14.1	7.41	0.356	10	-156.8	3.05	
	Had to stop to fix the pump - we were no longer getting water out										
	1000	start purging again									
	1005	0.1	30.98	0.5	13.5	11.29	5.06	10	-153.2	5.25	
	1010	0.3	31.59	1.3	12.8	11.40	5.17	10	-142.0	5.22	
	1015	0.2	31.80	2.0	12.8	11.40	5.13	10	-139.8	5.23	
	1020	0.2	31.94	2.7	13.0	11.28	4.69	10	-131.2	5.34	
	1025	0.2	31.95	3.0	13.0	11.31	4.48	10	-128.9	4.50	
	1030	0.2	SAMPLE								

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 10-27-00 Sample Collection Time: 1030

Prepared by: JOJ MW

1100	0.2	31.70	POST	13.8	10.76	0.753	10	-95.0	2.97	

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-02-DM-82-M Sample Number: WP-02-DM-82-M-100

Purging Method/Equipment: Bladderpump Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 12.58'

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/30	1400		12.58	initial	12.5	7.11	.770	25	—	4.24	
	1405		13.52	0.8	12.0	7.27	.798	16	—	3.25	
	1410		13.71	1.5	11.8	7.29	.801	5	-93.2	2.37	
	1415		13.89	2.1	11.7	7.31	.800	6	-95.7	1.84	
	1420		13.97	3.0	11.7	7.29	.800	5	-98.3	1.81	
	1425		14.05	3.7	11.7	7.30	.800	5	-101.6	1.57	
	1429		samples collected								
	1449		14.18		11.9	7.42	.807	0	-114.1	2.37	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra Extractable

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____

Sample Collection Date: 10/30/00 **Sample Collection Time:** 1429

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1

Well #: WP-02-DM-83S

Sample Number: WP-02-DM-83S-1000

Purging Method/Equipment: Bailer

Samplers M. Woodruff / D. Warner / J. Ocho

Well Secure (Y/N) Y

Well Casing Diameter: _____ in.

Unit Casing Volume (UC): _____ gal.

Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 22.0

Static Water Level (Depth to Water): 20.4

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/31/00	1110	0.2		10	15.2	6.35	1.51	273	19.8	3.19	
	1115	0.2	21.65	10.5	15.2	6.34	1.55	495	32.8	3.15	
	1130	Sample 21.66									

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/31/00 **Sample Collection Time:** 1130

Prepared by: DW/MW/JO

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1

Well #: WP-02-DM-83D

Sample Number: WP-02-DM-83D-1000

Purging Method/Equipment: Bladder

Samplers M.Woolniff/D.Warner/J.Ocho

Well Secure (Y/N) Y

Well Casing Diameter: 4 in.

Unit Casing Volume (UC): _____ gal.

Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____

Static Water Level (Depth to Water): 17.00

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/31/00	0925	Start	purging								
	0935	0.2	18.2	0.5	13.2	6.57	0.441	0	288.1	0.81	
	0940	0.2	18.46	1.0	13.1	6.60	0.441	0	386.1	0.33	
	0945	0.1	18.52	1.2	13.3	6.60	0.441	0	397.0	0.42	
	0950	0.1	18.69	1.4	13.6	6.60	0.441	0	401.3	0.61	
	0955	0.1	18.87	1.6	13.7	6.60	0.440	0	396.8	0.57	
	1000	0.1	19.12	1.9	13.8	6.61	0.440	0	377.3	0.52	
	1005	0.1	19.36	2.2	13.9	6.61	0.440	0	354.1	0.46	
	1010	0.1	19.51	2.5	13.9	6.61	0.440	0	326.4	0.47	
	1015	0.1	19.82	2.9	14.1	6.61	0.439	0	285.4	0.37	
	1020	SAMPLE									
	1150	Post	20.13	3.5	15.0	6.68	.440	4	331.4	2.70	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/31/00 **Sample Collection Time:** 1020

Prepared by: DW/MW/JO

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-02-DM-84-M Sample Number: WP-02-DM-84-M-1000

Purging Method/Equipment: Bladder Samplers J. Ocho/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 27.8 **Static Water Level** (Depth to Water): 22.90

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-27-00	1155	Start	pumping								
	1215	0.01	23.40	0.2	14.0	6.37	0.814	10	-121.6	~~2~~ 1.77	
	1220	0.2	23.52	0.6	13.2	6.31	0.854	10	-122.2	0.66	
	1225	0.2	23.90	1.0	13.6	6.28	0.855	10	-120.4	0.63	
	1230	0.1	23.92	1.2	13.8	6.25	0.852	10	-117.9	0.65	
	1235	0.1	23.95	1.4	13.9	6.23	0.850	10	-116.2	0.63	
	1240	0.1	23.97	1.5	13.9	6.22	0.848	10	-114.6	0.61	
	1245	0.1	23.98	1.7	13.9	6.21	0.846	10	-113.8	0.68	
	1250	0.1	23.99	2.0	14.0	6.21	0.841	10	-112.5	0.69	
	1255	0.1	24.00	2.2	13.9	6.21	0.831	10	-110.4	0.63	
	1300	0.1	24.00	2.4	14.0	6.21	0.815	10	-108.1	0.75	
	1305	SAMPLE									

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/MW mw **Sample Collection Time:** 1305

Prepared by: 10-27-00

1355	0.1	24.15	POST	14.8	6.27	0.743	10	-89.3	1.98	

N:\COMMON3\PLAMONDO\LTM\FORMS\GWPRGLOG

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1

Well #: WP-LF8/10-LW10-2000

Sample Number: WP-LF8/10-LW10-00-1000

Purging Method/Equipment: Treatment Plant Effluent

Samplers D. Warner/M. Woodruff/J. Ocho

Well Secure (Y/N) Y

Well Casing Diameter: N/A in.

Unit Casing Volume (UC): N/A gal.

Target Purge Volume: N/A gal

Sounding (Depth to Well Bottom): N/A

Static Water Level (Depth to Water): N/A

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/31/00	0835	N/A	N/A	N/A	13.0	6.35	1.90	104	-6.8	8.00	
	0830	SAMPLES		COLLECTED							

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH) Oil & grease

BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra COD TSS pH

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** ___ **MS/MSD:** ___

Sample Collection Date: 10/31/00 **Sample Collection Time:** 08:30

Prepared by: DW/MW/JO

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1

Well #: MW10-3A

Sample Number: WP LF10-MW10-3A 1000

Purging Method/Equipment: bailer

Samplers: CP, UV

Well Secure (Y/N): Y

Well Casing Diameter: 2 in.

Unit Casing Volume (UC): 1.17 gal.

Target Purge Volume: 3.51 gal

Sounding (Depth to Well Bottom): 96.05'

Static Water Level (Depth to Water): 92.3'

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-25	0901		92.3	initial	13.8	6.31	.869	3	124.6	11.21	
↓	0926			.5	13.8	7.12	.838	127	~~11.24~~ 101.7	11.24	
											dryat .5gal
10-26	1315		90.22	initial	16.2	7.53	.949	78	25.5	12.63	
	1325	samples collected						WP LF10 MW03A 1000			
	1530	BAILER NO LONGER REACHES BOTTOM OF WELL									
											COULD NOT FILL
											PEST/PCB, 1L SVOC
											↑ 1/2L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-26-00 **Sample Collection Time:** 1325

Prepared by: UV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: LF10MW05B Sample Number: LF10MW05B1000

Purging Method/Equipment: bladder pump Samplers CP, VV Well Secure (Y/N) N

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 20.51

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/25/00	1407		20.51	initial	13.0	7.29	.882	3		0.71	
	1412		22.72	1.0	12.4	6.95	.817	3	-11.8	0.38	
	1417		22.37	1.5	12.7	6.87	.802	0	-54.4	0.39	
	1422		22.33	2	12.8	6.87	.803	0	-75.3	0.47	
	1427		22.37	2.2	12.9	7.00	.796	0	-80.5	0.76	
	1432		22.40	2.8	12.8	7.04	.793	0	-82.6	0.50	
	1437		22.42	3.1	13.0	7.03	.792	0	-84.0	0.47	
	1440		collect samples								
	1450		22.48		12.4	7.10	.782	0	-73.0	0.86	

Test Parameters: Fmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)

BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-25-00 **Sample Collection Time:** 1440

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 **Well #:** LF10MW05C **Sample Number:** LF10MW05C1000

Purging Method/Equipment: bailer **Samplers** CP, VV **Well Secure (Y/N)** Y

Well Casing Diameter: 2 in. **Unit Casing Volume (UC):** .657 gal. **Target Purge Volume:** 1.97 gal

Sounding (Depth to Well Bottom): 12.40 **Static Water Level** (Depth to Water): 10.28

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV) -80.5	DO mg/L	Water Description
10-25	1503		10.28	initial	14.5	6.76	1.27	22	~~32.9~~	11.54	
	1506			1.0	14.9	6.76	1.22	100	-57.0	11.58	
	1513			2.0	14.5	6.75	1.18	84	~~-82.7~~	12.09	
	1515	sample collected							-89.5		
					15.5	6.85	1.14	25	-64.1	12.68	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** ___ **MS/MSD:** 1

Sample Collection Date: 10-25-00 **Sample Collection Time:** 1515

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

Page 1 of ___

SITE ID: OU1 Well #: LF10MW-6A Sample Number: LF10MW-6A 1000

Purging Method/Equipment: bladder Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 72.1

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-25	1139		75.0	initial	15.5	7.26	.669	0	-34.7	1.83	
	1144		76.0	0.6	14.1	7.05	.682	0	-51.8	1.07	
	1149		76.51	1.4	13.9	7.02	.682	0	-40.0	1.97	
	1154		76.76	2.1	13.9	7.05	.687	0	-37.0	2.25	
	1159		77.05	2.6	14.0	7.11	.697	0	-43.0	3.56	
	1204		77.3	3.1	13.9	7.17	.695	0	-47.6	5.62	
	1209		77.19	3.6	13.9	7.20	.691	0	-50.1	6.71	
	1210	collect samples									
	1225		78.03		14.5	7.37	.681	0	-46.8	7.77	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Rest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-25-00 **Sample Collection Time:** 1210

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

Page 1 of ___

SITE ID: 6U1 NO PUMP

Well #: LF10-MW06DUP

Sample Number: NO SAMPLES

Purging Method/Equipment: _____

Samplers: CP/VV

Well Secure (Y/N): Y

Well Casing Diameter: 2 in.

Unit Casing Volume (UC): _____ gal.

Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): 67.57'

Static Water Level (Depth to Water): 67.07'

67.57' - 0.3' = 67.27' WT. END

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/25/00	1100	INSUFFICIENT		WATER		TO	PUMP				ONLY 0.2' WATER

WATER
67.27
-67.07
0.2'

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: _____ **Sample Collection Time:** _____

Prepared by: CP

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: LF10MW-6B Sample Number: WP- LF10MW-6B-1000

Purging Method/Equipment: Bladder Samplers _____ Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 34.95

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-25	0952		34.95	initial	~~15.3~~ 14	7.15	.834	0	-52.4	.69	
	0957		39.42	0.6	13.7	7.03	.831	0	-60.5	1.18	
	1002		top pump	1.2	13.7	7.07	.834	0	-63.2	2.56	
	1007		"	1.7	13.8	7.12	.836	0	-69.8	3.23	
	1012		"	2.2	13.8	7.07	.840	0	-70.9	1.97	
	1017		"	2.7	13.8	7.02	.837	0	-89.1	.47	
	1022			3.1	14.0	7.00	.832	0	-97.3	.63	
	1025		samples collected								
					~~16.4~~	~~8.23~~					
	10/1/23		well dry after sampling								

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-25-00 **Sample Collection Time:** 1025

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: LF10MW-7A Sample Number: LF10MW-7A1000

Purging Method/Equipment: Bladder pump Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): 72.25 **Static Water Level** (Depth to Water): 53.3

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-26	0935		53.41	initial	14.6	8.81	8.85	41	-27.09	2.85	
	0940		53.42	0.6	12.8	7.51	.856	17	-194.4	0.57	
	0945		53.35	2.1	12.7	7.30	.881	2	-192.9	0.25	
	0955		53.41	3.2	13.1	7.28	.884	0	-196.8	0.26	
	1000		53.41	3.7	13.1	7.26	.884	0	-195.7	0.47	
	1005		53.41	4.2	13.2	7.26	.885	0	-197.5	0.26	
	1010		53.41	4.7	13.1	7.28	.886	0	-197.8	0.25	
	1015		53.41	5.2	13.1	7.27	.885	0	-198.2	0.21	
	1020		collect samples LF-10MW-7A-1000 & 5000 (dup)								
	1045		53.41	POST	13.1	7.29	.888	0	-173.3	0.35	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: MW7A-5000 MS/MSD: /

Sample Collection Date: 10-26-00 **Sample Collection Time:** 1020

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: LF-10-MW07B Sample Number : No SAMPLES

Purging Method/Equipment: No Pump Samplers CP/VV Well Secure (Y/N) N ← OUTSIDE CASING DAMAGED BY LAWN MOWER

Well Casing Diameter : 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): 27.40 **Static Water Level** (Depth to Water): DRY

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/26/00	0850	WELL	DRY								

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: _____ **Sample Collection Time:** _____

Prepared by: CP

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Bailer Well #: LF10MW7C Sample Number: LF10MW-7C 1000

Purging Method/Equipment: ~~Bladder pump~~ Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): .7285 gal. Target Purge Volume: 2.18 gal

Sounding (Depth to Well Bottom): 19.37 **Static Water Level** (Depth to Water): 17.02

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-26	0844		17.02	initial	15.3	5.99	1.76	15	67.1	9.41	
	0846			.5	15.3	6.37	1.45	999	72.8	9.52	cloudy
	dry @ .5 gallons										
	1055	sampled									

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-26-00 **Sample Collection Time:** 1055

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: LF10-MW08A-2 Sample Number: WP-LF10-MW08A-2-1000

Purging Method/Equipment: Bladder Samplers C. Patterson/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter : _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 92.2 **Static Water Level** (Depth to Water): 67.16

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-18-00	0920	Started Purging									
	0930	0.1	71.60	0.25	12.6	6.46	0.531	40	89.3	0.79	
	0935	0.1	72.80	0.5	12.5	6.51	0.556	39	-84.1	0.78	
	0940	0.1	73.69	1.0	12.6	6.60	0.560	35	-80.5	0.61	
	0945	0.1	74.67	1.2	12.6	6.67	0.559	30	-78.8	0.55	
	0950	0.1	75.45	1.6	12.6	6.71	0.559	27	-80.2	0.46	
	0955	0.1	76.08	2.0	12.6	6.73	0.559	23	-77.1	0.58	
	1000	0.1	76.64	2.25	12.5	6.73	0.557	22	-83.1	0.53	
	1005	0.1	77.08	2.6	12.6	6.75	0.553	22	-84.2	0.60	
	1010	SAMPLE									
	1122		79.38	POST	12.5	6.83	0.553	12	57.7	2.95	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: DEPA **MS/MSD:** /

Sample Collection Date: 10-18-00 **Sample Collection Time:** 1010

Prepared by: CP/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-LF10-MW08B Sample Number: WP-LF10-MW08B-1000

Purging Method/Equipment: Bladder Samplers: D.Barnes/M.Woodruff/S.Acho Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 18.66 Static Water Level (Depth to Water): 10.14

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-26-00	1435	start purging									
	1445	0.05	10.70	0.1	17.5	6.66	2.12	9	-29.3	0.46	
	1450	0.05	10.48	0.15	18.3	6.65	2.11	9	-24.0	0.94	
	1455	0.05	10.40	0.2	19.4	6.65	2.09	26	-26.0	0.74	
	1500	0.05	10.44	0.25	19.8	6.65	2.09	29	-26.9	0.75	
	1505	0.05	10.35	0.3	20.2	6.65	2.09	33	-29.7	1.03	
	1510	0.05	10.42	0.4	20.6	6.69	2.07	40	-25.0	1.05	
	1515	0.05	10.70	0.45	19.9	6.68	2.05	43	-26.7	1.55	
	1520	0.05	10.50	0.5	18.5	6.65	2.05	29	-28.4	1.04	
	1525	0.05	10.76	0.55	18.5	6.64	2.05	30	-29.2	0.69	
	1530	0.05	10.70	0.6	19.1	6.64	2.05	29	-30.5	0.58	
	1535	0.05	10.65	0.7	20.0	6.63	2.05	22	-32.8	0.46	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 10-26-00 Sample Collection Time: 1700

Prepared by: MW/SD

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: SU1 Well #: WP-LF10-MW08B Sample Number: WP-LF10-MW08B-1000

Purging Method/Equipment: Bladder Samplers D.Warner/M.Woodruff/J.Ocho Well Secure (Y/N) Y

Well Casing Diameter : _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 18.66 **Static Water Level** (Depth to Water): 10.14

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-26-00	1540	0.05	10.62	0.8	20.8	6.63	2.05	9	-31.4	0.57	
	1545	0.05	10.55	1.0	21.3	6.63	2.04	8	-35.8	0.54	
	1550	0.05	10.55	1.1	22.2	6.62	2.05	7	-36.7	0.74	
	1555	0.2	BTP	1.4	17.0	6.65	2.03	9	-32.1	0.56	
	1600	0.3	BTP	2.0	16.0	6.76	2.02	6	-37.7	2.01	
	1605	0.3	BTP	3.0	16.0	6.67	2.05	47	-35.5	1.16	
	1610	0.3	BTP	4.0	16.0	6.62	2.04	38	-31.8	0.64	
	1615	0.3	BTP	4.8	16.0	6.61	2.04	8	-34.8	0.29	
	1620	0.3	BTP	5.8	16.0	6.61	2.05	14	-32.8	0.36	
	1625	0.3	BTP	7.0	16.1	6.60	2.04	11	-34.8	0.32	
	1630	0.3	BTP	8.0	16.2	6.59	2.04	9	-36.7	0.33	
	1635	0.3	BTP	9.0	16.2	6.58	2.04	14	-36.6	0.35	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans ~~NH_3 (H_2SO_4)~~ CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-26-00 **Sample Collection Time:** 1700

Prepared by: MWJO

BTP = Below top of pump - below 12.2 ft.

N:\COMMON3\PLAMONDO\LTM\FORMS\GWPRGLOG

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-LF10-MW08B Sample Number: WP-LF10-MW08B-1000

Purging Method/Equipment: Bladder Samplers D.Warner/M.Woodruff/J.Ocho Well Secure (Y/N) Y

Well Casing Diameter : _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 18.66 Static Water Level (Depth to Water): 10.14

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-26-00	1640	0.3	BTP	9.5	16.3	6.59	2.03	8	-36.0	0.41	
	1645	↓	BTP	10	16.3	6.58	2.03	8	-36.2	0.41	
	1650		BTP	10.5	16.3	6.59	2.03	10	-37.5	0.54	
	1655		BTP	11.	16.3	6.59	2.03	6	-38.6	0.48	
	1700	SAMPLE									
	1750	0.3	BTP	POST	16.2	6.66	2.00	8	-34.5	2.08	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 10-26-00 Sample Collection Time: 1700

Prepared by: JO/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-LF10-MW09A Sample Number: WP-LF-10-MW09A-1000

Purging Method/Equipment: Bladderpump Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 51.58

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/30	0955		52.51	initial	14.3	8.41	.475	1	-107.2	9.22	
	1000		54.11	0.4	12.8	7.77	.645	1	-135.7	3.61	
	1005		55.98	1.2	12.2	7.42	.747	1	-128.6	0.74	
	1010		56.98	1.9	12.2	7.39	.753	2	-133.4	0.41	
	1015		57.11	2.5	12.3	7.39	.753	1	-145.2	0.36	
	1020		57.25	3.3	12.4	7.38	.754	1	-158.9	0.32	
	1025		57.38	4.0	12.5	7.35	.755	0	-167.6	0.28	
	1029	collect samples									
	1047		58.88		12.5	7.40	.755	0	-172.6	1.40	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/30/00 **Sample Collection Time:** 1029

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WPLF10MW09B Sample Number: WPLF10MW09B-1000

Purging Method/Equipment: Bladder pump Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 50.89

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-26	1552		50.89	initial	17.0	7.17	1.18	1	-192.4	9.57	
	1557		51.03	0.4	14.8	7.02	1.22	1	-194.3	1.18	
	1602		51.02	1.0	13.8	6.90	1.24	1	-184.8	0.50	
	1607			1.6	13.5	6.94	1.25	0	-181.2	0.56	
	1612			2.2	13.4	6.98	1.25	0	178.8	0.64	
	1617			3.0	13.4	7.00	1.25	0	-176.6	0.78	
	1622			3.5	13.4	7.02	1.25	0	-173.1	1.23	
	1625		collect samples								
	1715				~~14.08~~	7.08	1.23	0	~~13.8~~	1.49	
					13.8				-167.0		

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** 1000-MS, 1000-MSD

Sample Collection Date: 10-26-00 **Sample Collection Time:** 1625

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: LF-10-MW09C Sample Number: WP LF10-MW09C-1000

Purging Method/Equipment: Bladder Pump Samplers CP/VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 36.68

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/30/00	0850		37.70	initial	11.2	6.37	1.07	39	-136.5	1.36	
	0855		37.42	1.2	11.6	7.01	1.06	22	-157.2	2.58	
	0900		37.31	2.0	11.7	7.05	1.09	6	-162.3	1.54	
	0905		37.32	2.4	11.8	7.02	1.15	3	-164.2	1.45	
	0910		37.37	3.1	11.9	7.07	1.15	2	-165.6	1.41	
	0915		37.37	3.8	11.9	7.10	1.15	2	-165.2	1.57	
	0920		37.37	4.5	12.0	7.10	1.15	1	-165.1	1.53	
	0925	samples collected							~~-156.0~~	~~2.87~~	
	0942		37.37		12.0	7.13	1.18	0	-156.0	2.87	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** ~~0~~ **MS/MSD:** 1

Sample Collection Date: 10/30/00 **Sample Collection Time:** 0925

Prepared by: CP

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 **Well #:** WP-LF10-MW10C **Sample Number:** WP-LF10-MW10C-1000

Purging Method/Equipment: Bladder **Samplers** J. Ochs/M. Woodruff **Well Secure (Y/N)** Y

Well Casing Diameter: _____ in. **Unit Casing Volume (UC):** _____ gal. **Target Purge Volume:** 2 gal

Sounding (Depth to Well Bottom): 68.0 **Static Water Level** (Depth to Water): 50.29

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
1350	start	pumping - had to stop to fix pump - no water was coming out									
10/30/00	1420	start pumping again									
	1425	0.2	50.30	0.3	13.5	6.78	0.474	151	25.4	4.23	cloudy
	1430	0.2	50.32	0.8	13.6	6.71	0.533	130	-11.3	1.03	
	1435	0.2	50.32	1.2	13.8	6.69	0.530	97	-19.2	1.92	
	1440	0.1	50.30	1.5	13.8	6.69	0.533	89	-21.9	0.161	
	1445	0.1	50.30	1.8	13.8	6.71	0.528	90	-20.1	1.64	
	1450	0.1	50.30	2.0	13.9	6.68	0.533	78	-23.0	0.80	
	1455	0.1	50.32	2.3	14.1	6.68	0.534	71	-18.7	0.87	
	1500	0.1	50.34	2.5	14.0	6.67	0.533	65	-21.0	0.81	
	1505	0.1	50.30	2.8	13.8	6.70	0.527	54	-26.7	1.55	
	1510	0.1	50.32	3.1	13.8	6.68	0.537	45	-29.1	1.27	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/30/00 **Sample Collection Time:** 1545

Prepared by: JO/MWS

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-LF10-MW10C Sample Number: WP-LF10-MW10C-1000

Purging Method/Equipment: Bladder Samplers J. Ochs/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 68.0 **Static Water Level** (Depth to Water): 50.29

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/30/00	1515	0.1	50.32	3.4	13.8	6.66	0.537	41	-28.9	0.49	
	1520	0.1	50.32	3.7	13.9	6.66	0.537	40	-30.3	0.37	
	1525	0.1	50.30	4.0	14.0	6.65	0.525	25	-30.6	0.93	
	1530	0.1	50.30	4.2	14.1	6.65	0.529	26	-27.2	0.70	
	1535	0.1	50.30	4.4	14.1	6.67	0.526	23	-30.8	0.84	
	1540	0.1	50.30	4.6	14.1	6.66	0.529	22	-31.1	0.81	
	1545	SAMPLE									
	1605	0.2	50.35	POST	13.0	6.68	0.537	14	-27.6	0.54	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/30/00 **Sample Collection Time:** 1545

Prepared by: JD/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: QU1 Well #: WP-LFIO-MW11A Sample Number: WP-LFIO-MW11A-1000

Purging Method/Equipment: Bladder Samplers M Wordnuff / J. Ocho Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 74.0 Static Water Level (Depth to Water): 33.40

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-30-00	0845	start	purging								
	0855	0.2	33.50	0.5	10.6	6.20	0.433	3	-63.9	0.39	
	0900	0.2	33.20	1.0	10.5	6.51	0.426	3	-95.1	0.65	
	0905	0.2	33.24	1.5	10.6	6.69	0.418	2	-102.9	0.70	
	0910	0.2	33.20	1.9	10.6	6.76	0.416	2	-104.9	0.80	
	0915	0.2	33.12	2.3	10.7	6.79	0.414	0	-106.6	0.78	
	0920	0.2	33.20	2.7	10.8	6.81	0.413	0	-106.2	0.76	
	0925	SAMPLE									
	1020	0.2	33.25	POST	13.3	6.92	0.412	1	-109.9	2.21	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: -5000 MS/MSD: _____ / _____

Sample Collection Date: 10-30-00 Sample Collection Time: 0925

Prepared by: MW/JO

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 **Well #:** WP-LF10-MW11B **Sample Number:** WP-LF10-MW11B-1000

Purging Method/Equipment: Bladder **Samplers** J. Ocho/M. Woodruff **Well Secure (Y/N)** Y

Well Casing Diameter: _____ in. **Unit Casing Volume (UC):** _____ gal. **Target Purge Volume:** 2 gal

Sounding (Depth to Well Bottom): 43.0 **Static Water Level** (Depth to Water): 30.40

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/30/00	1040	Start purging									
	1045	0.2	31.50	0.5	11.7	6.66	0.644	12	-100.3	0.35	
	1050	0.2	29.90	1.0	11.6	6.69	0.645	12	-101.1	0.52	
	1055	0.1	30.90	1.2	11.8	6.66	0.646	13	-100.5	0.62	
	1100	0.1	30.88	1.5	11.8	6.66	0.640	12	-100.1	0.91	
	1105	0.1	30.88	1.7	11.8	6.66	0.639	11	-98.3	1.36	
	1110	0.1	30.90	1.9	11.8	6.65	0.639	10	-94.8	1.52	
	1115	0.1	30.90	2.1	11.8	6.66	0.640	10	-92.5	1.67	
	1120	0.1	30.88	2.3	11.8	6.66	0.641	11	-90.6	1.86	
	1125	SAMPLE									
	1200	0.1	30.94	POST	12.0	6.72	0.652	6	-85.5	2.06	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/30/00 **Sample Collection Time:** 1125

Prepared by: MWilso

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-LF10-MW102 Sample Number: WP-LF10-MW102-1000

Purging Method/Equipment: Bailer Samplers J. Ochs/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 65.0 **Static Water Level** (Depth to Water): 64.78

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description

Dry well

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: _____ **Sample Collection Time:** _____

Prepared by: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 **Well #:** WP-LF10-MW103 **Sample Number :** WP-LF10-MW103-1000

Purging Method/Equipment: Bladder **Samplers** D. Warner/M. Woodruff/J. Acho **Well Secure (Y/N)** Y

Well Casing Diameter : _____ in. **Unit Casing Volume (UC):** _____ gal. **Target Purge Volume:** 2 gal

Sounding (Depth to Well Bottom): 42.0 **Static Water Level** (Depth to Water): 36.60

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
1123	Start purging										
10-26-00	1130	0.1	37.92	0.3	15.0	6.27	1.67	10	-116.3	1.66	
	1135	0.1	38.70	0.5	15.1	6.26	1.71	12	-107.4	1.03	
	1140	0.1	39.36	0.8	15.2	6.26	1.72	10	-98.9	0.62	
	1145	0.1	39.45	0.85	15.6	6.26	1.72	10	-95.2	0.71	
	1150	0.1	39.55	0.85	16.1	6.26	1.71	8	-91.0	0.64	
	1155	0.1	39.60	0.87	16.7	6.27	1.70	6	-89.7	0.64	
	1200	SAMPLE									
		WELL WENT DRY									

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC ~~Pest/PCB~~ Dioxin/Furans ~~NH_3 (H_2SO_4)~~ ~~CN (NaOH)~~
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-26-00 **Sample Collection Time:** 1200

Prepared by: MW/KW/JO

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-LF10-MW104 Sample Number : WP-LF10-MW104

Purging Method/Equipment: Bailer Samplers J. Ocho/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter : _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): _____

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
	DRY				WELL						

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: _____ **Sample Collection Time:** _____

Prepared by: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 [illegible]

Well #: WP-LF10-MW105

Sample Number: WP-LF10-MW105-1000

Purging Method/Equipment: Bladder

Samplers: S. Ocho/M. Woodruff/D. Warner

Well Secure (Y/N) Y

Well Casing Diameter: _____ in.

Unit Casing Volume (UC): _____ gal.

Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 65.0

Static Water Level (Depth to Water): 48.36

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-26-00	0855	Start purging									
	0900	0.1	50.2	0.5	12.2	6.84	0.352	54	159.0	3.96	
	0905	0.1	52.18	0.8	12.2	6.96	0.364	41	162.2	2.32	
	0910	0.1	55.05	1.0	12.3	7.02	0.368	38	162.4	1.05	
	0915	0.1	57.70	1.5	12.3	7.06	0.368	18	162.9	1.06	
	0920	0.1	58.20	2.0	12.3	7.08	0.368	16	160.9	1.19	
	0925	0.1	58.72	2.2	12.3	7.08	0.368	13	165.4	1.36	
	0930	0.1	58.98	2.4	12.4	7.08	0.367	12	164.5	1.12	
	0935	0.1	59.35	2.5	12.4	7.10	0.368	2.0	164.5	1.30	
	0940	SAMPLE									
	well went dry - only VOCs, SVOCs & Dioxin/furans										

Test Parameters: ~~Tmetals (HNO3)~~ Fmetals ~~VOC (HCl)~~ ~~SVOC~~ ~~Pest/PCB~~ Dioxin/Furans ~~NH3 (H2SO4)~~ ~~CN (NaOH)~~
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 10-26-00 Sample Collection Time: 0940

Prepared by: JD MW1 DW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-01-DM-102S-M Sample Number: WP-01-DM-102S-M-1000

Purging Method/Equipment: Bailer Samplers U. Voisard/C. Patterson Well Secure (Y/N) Y

Well Casing Diameter: 4 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): 26.11 **Static Water Level** (Depth to Water): 26.03

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/30/00											

WELL DRY

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: _____ **Sample Collection Time:** _____

Prepared by: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-01-DM-102~~A~~D-m Sample Number: WP-01-DM-102~~A~~D-m-1000

Purging Method/Equipment: Bladder pump Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 4 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 48.27

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/31	1036		48.98	initial	13.9	12.47	3.36	149	-55.6	6.31	
	1041		49.78	0.5	13.4	12.66	3.66	79	-47.3	5.09	
	1046		51.52	1.1	13.2	12.67	3.69	8	-40.3	5.07	
	1051		51.12	2.0	13.1	12.67	3.70	9	-34.8	5.59	
	1056		50.82	2.7	13.4	12.47	2.14	6	-19.2	3.97	
	1101		50.72	3.3	13.4	9.40	.536	73	30.4	0.44	
	1106		50.63	4.0	13.3	9.06	.568	131	40.6	0.47	
	~~1110~~	~~collect samples~~									
	1116		50.63	5.4	13.3	11.44	.728	356	35.0	2.71	
	1121		50.52	6.2	13.2	9.45	.514	188	46.4	1.46	
	1126		50.45	6.6	13.2	9.23	.540	135	50.3	1.81	very cloudy
	1131		50.45	7.4	13.2	8.98	.560	102	56.4	1.89	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra Extractable

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____

Sample Collection Date: 10/31/00 **Sample Collection Time:** 1225

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Well #: WP-01-DM-102S-M Sample Number: WP-01-DM-102S-M-100

Purging Method/Equipment: Bladder pump Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 4 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 48.27

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft) 50.42	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/31	1136		~~54.20~~ CP	8.4	13.3	8.90	.590	89	59.5	2.00	
	1141		50.38	9.0	13.3	8.66	.677	467	65.9	2.27	
	1146		50.38	9.4	13.3	8.86	.626	356	65.0	2.82	
	1151		50.26	10.1 CP	13.3	8.71	.669	214	69.7	2.66	
	1156		50.23	10.9	13.4	8.48	.755	147	73.7	2.50	
	1201		50.23	11.4	13.4	8.27	.868	145	79.2	2.53	
	1206		50.20	12.1	13.4	8.26	.877	110	79.9	2.38	
	1211		50.13	12.7	13.4	8.18	.893	72	83.2	2.42	
	1216*		—	13.6	13.4	8.07	.914	54	86.6	2.40	* ADD GAS TO COMPRESSOR
	1221		50.05	14.2	13.5	7.97	.931	42	89.1	2.35	
	1225		COLLECT SAMPLES								
	1242		50.32		13.7	8.11	.944	75	98.6	3.44	

Test Parameters: ~~Fmetals (HNO3)~~ Fmetals ~~VOC (HCl)~~ SVOC Pest/PCB Dioxin/Furans ~~NH3 (H2SO4)~~ CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra Extractable

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____

Sample Collection Date: 10/31/00 **Sample Collection Time:** 1225

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 Bailer + Well #: WP-01-004-M Sample Number: WP-01-004-M-1000

Purging Method/Equipment: Bladder pump Samplers DW, VV Well Secure (Y/N) Y

Well Casing Diameter: 2" in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ Static Water Level (Depth to Water): 46.82

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/27	1143		56.94	initial	16.4	7.24	.884	643	31.5	6.24	thick bio mass (0910)
	1145	collect samples									Fe in color

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: ~~5000~~ MS/MSD: _____ / _____

Sample Collection Date: 10-27-00 Sample Collection Time: 1145

Prepared by: VV

B-2

OU1 Water Level Field Logs: July and October 2000

Sample Team: J. Pease
D. Warner

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: 7/26/00
Logbook #: 2

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water		Screended Interval (ft)	TWD (ft)	Remarks
					TOC (ft)	TOPC (ft)			
Landfill 8									
LF08-MW01A									
LF08-MW01C									
LF08-MW02A				894.07					
LF08-MW02C				895.61					
LF08-MW03A									
LF08-MW03C									
LF08-MW04A				913.45					
LF08-MW04B				912.76					
LF08-MW04C				914.02					
LF08-MW05A									
LF08-MW05B				949.17					
LF08-MW05C				949.30					
LF08-MW06A				891.30			53.5-73.8	80.0	
LF08-MW06B				890.63			32.75-42.75	45.0	
LF08-MW06C				891.72 dry			7.0-12.0	14.0	
LF08-MW07A				952.62					
LF08-MW07B				952.56					
LF08-MW07C				952.79					
LF08-MW08A				878.70					
LF08-MW08B				878.63					
LF08-MW08C				877.72					
LF08-MW09A				855.38			25.2-30.2	32.5	
LF08-MW09B				856.01			13.67-18.67	20.5	

Sample Team:

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date:_____
Logbook #:_____

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water		Screended Interval (ft)	TWD (ft)	Remarks
					TOC (ft)	TOPC (ft)			
LF08-MW10A				911.86			53.7-63.8	66.0	
LF08-MW10B				912.27			29.8-34.8	39.0	
LF08-MW10C				911.83			17.5-22.5	25.0	
LF08-MW11A				934.37					
LF08-MW11B				934.95					
LF08-MW11C				935.18					
LF08-MW12B				936.03					
LF08-MW12C				936.16					
LF08-MW13A				934.01					
LF08-MW13B				933.22					
LF08-MW13C				933.48					
LF08-MW14B				942.45					
LF08-MW14C				941.75					
LF08-MW15A				841.67					
LF08-MW15B				841.98					
02-DM-81D-S									
02-DM-81D-M									
02-DM-83D-S									
02-DM-83D-M									
LF08-MW101									
LF08-MW102									
LF08-MW103									

Sample Team:

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date:
Logbook #:

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
LF8 Extraction Wells									
EW-0801				937.59					
EW-0803				936.73			5.0-55.5	55.5	
EW-0805				938.54					
EW-0807				934.69			5.0-51.5	51.5	
EW-0810				930.69					
EW-0812				926.88			5.0-50.0	50.0	
EW-0816				932.99			5.0-55.0	55.0	
Landfill 10									
✓ LF10-MW01A	1157	.6	2	918.50	75.35	75.75			
LF10-MW01B	1155	.6	2	918.52	24.05	~~24.05~~ 41			
✓ LF10-MW01C	1159	.6	2	918.57	14.36	14.60			
✓ LF10-MW03A	1100	.5	2	907.49	~~Dry~~ 90.25	~~Dry~~ 90.91			
✓ LF10-MW04A	1054	.6	2	898.90	Dry	Dry	184.20-194.20	196.5	
✓ LF10-MW04B	1056	.5	2	898.86	98.91	99.30	113.65-123.65	126.0	W.L.I. not
✓ LF10-MW04C miss-labeled on pad	1058	.5	2	898.87	NA too deep	NA too deep	56.00-61.00	65.0	long enough. Greater than 100'
✓ LF10-MW05B	1142	.6	2	858.44	20.50	21.20	27.00-34.20	37.0	No lock - not secured.
✓ LF10-MW05C	1144	.5	2	859.06	10.04	10.35	3.42-8.42	11.0	
✓ LF10-MW06A	1045	.6	2	894.62	72.10	72.71	74.80-84.80	87.1	
✓ LF10-MW06A DUP	1047	.6	2	897.78	67.20	67.45			
✓ LF10-MW06B	1049	.5	2	894.09	34.78	35.25	37.15-42.50	44.0	
✓ LF10-MW07A	1113	.5	2	897.54	53.12	53.56			

Sample Team: _____

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: _____
Logbook #: _____

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
LF10-MW07B	1117	.5	2	897.01	Dry	Dry			Protective casing damaged
LF10-MW07C	1115	.6	2	897.72	12.65	12.99			
LF10-MW08A-2	1039	.6	2	863.35	Dry	Dry	79.9-89.9	92.2	
LF10-MW08B	1041	.6	2	865.09	10.55	TOPC is lower.	11.5-16.5	18.56	
LF10-MW09A	1029	.6	2	877.98	51.~~50~~ 42	51.96	77-87	88.0	
LF10-MW09B	1027	.6	2	878.21	50.89	~~50.~~ 51.41	46.4-57	60.2	
LF10-MW09C	1025	.5	2	878.17	35.21	35.85	31.05-41.10	44.17	
LF10-MW10A	0950	.6ppm	2%	844.26	46.78	47.17			
LF10-MW10B	0951	.6	2%	844.40	Dry	Dry			
LF10-MW10C	0952	.6	2%	844.19	48.10	48.47			
LF10-MW10D	0953	.6	2%	848.99	Dry	Dry			
10-MW11A	1014	.5	2%	854.20	30.15	30.67	61.7-71.7	74.0	
LF10-MW11B	1016	.6	2%	854.52	~~31~~ 28.33	29.15	30.2-40.2	43.0	
LF10-MW13A	1010	.6	2%	845.53	21.58	21.86			
LF10-MW13C	1012	.6	2%		21.~~02~~ 02	21.37			
LF10-MW14A	1216	.6	2		73.~~89~~	74.32			
01-DM101S-M	1121	.5	2		~~Dry~~ 37.50	~~Dry~~ 37.80			
01-DM101D-M	1120	.5	2		Dry	Dry			
01-DM102S-M	1000	.6	2%		48.00	48.45			
01-DM102D-M	NT	NT	NT		NT	NT			Large nest of yellow jackets in R.C.
02-DM-82M									
02-DM-84-M									
02-DM-85-M									

Sample Team:

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date:
Logbook #:

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
✓01-004-M	1105	.5	2	883.23	41.47	42.03			
✓01-005-M	1034	.6	2	840.01	9.70	9.91			
02-003-M									
✓LF10-MW102	1211	.6	2		62.00	62.54			~~GONE~~ DW
✓LF10-MW103	1207	.5	2		32.87	33.31			~~Gone~~ DW
✓LF10-MW104	1131	.6	2		69.32	69.76			
✓LF10-MW105	1550	.5	2		46.25	Not taken, everything on a slant			~~GONE~~ DW
		Background .6	Background 2						
LF10 Extraction Wells									
EW-1001	1412	.5	4	908.28	34.45	—	3.0-53.0	53.0	Initial LEL was 15%. Let vent for 5 minutes
✓EW-1002	1406	.6	5	921.78	46.28	—			Initial LEL was 11%. Let vent for 5 minutes.
EW-1003	1355	.6	5	915.81	19.50	—	6.0-66.0	66.0	LEL Initial was 29%. Let vent for 5 minutes
✓EW-1004	1402	.6	2	923.08	54.60	—			Air valve was already in off position. Turned back on
✓EW-1006	1426	.5	3	916.36	30.25				Initial LEL was 28%. Let vent for 5 minutes
✓EW-1008	1422	.6	2	911.05	Dry	—	6.0-36.0	36.0	Valve was initially off. Turned back on.
✓EW-1011	1531	.4	2	909.31	~~DW 50.02~~ ~~Dry~~ 60.02				
✓EW-1012	1525	.4	3	891.43	28.70		4.0-31.0	31.0	Both valves were in off position. Turned on for a few minutes, then turn off
✓EW-1013	1521	.4	2	886.21	Dry				
✓EW-1014	1518	.5	2	884.90	Dry	—			
✓EW-1015	1540	.4	2	907.94	Dry		6.0-62.0	62.0	Left off. Check back tomorrow
✓EW-1016	1440	.5	3	907.88	35.90				Valve was in off position. Turned back on

Sample Team: _____

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: _____
Logbook #: _____

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
EW-1017	1445	.5	Z	901.79	Dry	—			
EW-1018	1545	.4	Z	901.77	31.84				
EW-1019	1515	.5	Z	884.74	37.24		2.0-52.0	52.0	Valve was in off position. Turned on for a few minutes, then off again
EW-1020	1510	.4	Z	868.18	Dry	—	4.0-35.0	35.0	
EW-1022	1505	.4	Z	871.32	61.13	—			
EW-1024	1449	1.1	Z	891.25	39.78	—	5.0-41.0	41.0	Groundhog has taken up residence right beside this well. Not good for cap!
EW-1025	1454	.5	Z	877.61	28.12	—	3.0-43.0	43.0	Both valves were in off position. Left off to sample later.
EW-1026	1500	.6	Z	861.26	53.32	—			Valve was in off position. Turned back on.

Garter snake trapped in vault

TOC = Top of Casing
TOPC = Top of Protective Casing
TWD = Total Well Depth

Sample Team:
D. Rasor
M. Woodruff

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: 7-26-00
Logbook #: 1 pg 185

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
Landfill 8									
LF08-MW01A	1208	0.5	0		5.25	5.46			
LF08-MW01C	1205	0.5	0		6.69	7.23			
LF08-MW02A	1125	0.5	0	894.07	5.32	5.68			ants in well
LF08-MW02C	1120	0.5	0	895.61	12.97	13.47			" " "
LF08-MW03A	1614	0.5	0		18.60	18.78			
LF08-MW03C	1616	0.5	0		14.45	14.51			
LF08-MW04A	1113	0.3	0	913.45	30.45	30.91			
LF08-MW04B	1110	0.4	0	912.76	~~20.75~~ 22.41 mw	22.75			
LF08-MW04C	1105	0.4	0	914.02	20.85	21.05			
LF08-MW05A	1541	0.7	0		31.14	31.56			
LF08-MW05B	1543	0.7	0	949.17	20.78	21.65			
LF08-MW05C	1544	0.6	0	949.30	19.40	20.45			
LF08-MW06A	1408	0.5	0	891.30	28.13	28.63	53.5-73.8	80.0	
LF08-MW06B	1405 ~~202~~ mw	0.5	0	890.63	11.46	12.13	32.75-42.75	45.0	
LF08-MW06C	1410	0.5	0	891.72 dry	DRY		7.0-12.0	14.0	
LF08-MW07A	1534	0.4	0	952.62	22.60	22.98			
LF08-MW07B	1531	0.4	0	952.56	23.30	23.50			
LF08-MW07C	1533	0.4	0	952.79	23.25	23.50			
LF08-MW08A	1142	0.5	0	878.70	3.78	4.04			
LF08-MW08B	1145	0.5	0	878.63	2.71	4.47			
LF08-MW08C	1140	0.5	0	877.72	7.44	7.68			
LF08-MW09A	1223	0.6	0	855.38	~~14~~ 15.29 mw	15.70	25.2-30.2	32.5	
LF08-MW09B	1220	0.5	0	856.01	14.65	14.72	13.67-18.67	20.5	

Sample Team: D. Rasor, M. Woodruff

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: 7-26-00
Logbook #: 1

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
LF08-MW10A	1448	0.5	0	911.86	24.80	25.35	53.7-63.8	66.0	
LF08-MW10B	1445	0.6	0	912.27	22.67	22.87	29.8-34.8	39.0	
LF08-MW10C	1450	0.6	0	911.83	21.83	22.34	17.5-22.5	25.0	
LF08-MW11A	1509	1.1	0	934.37	12.27	12.55			
LF08-MW11B	1508	1.3	0	934.95	11.35	11.75			
LF08-MW11C	1511	0.8	0	935.18	10.59	11.00			
LF08-MW12B	1513	0.7	0	936.03	11.55	11.78			
LF08-MW12C	1515	0.6	0	936.16	11.40	11.70			
LF08-MW13A	1518	0.5	0	934.01	13.78	14.19			
LF08-MW13B	1517	0.4	0	933.22	10.32	10.78			
LF08-MW13C	1519	0.5	0	933.48	10.72	11.03			
LF08-MW14B	1525	0.5	0	942.45	11.66	12.32			
LF08-MW14C	1524	0.5	0	941.75	10.20	10.64			
LF08-MW15A	1611	0.5	0	841.67	8.54	8.90			
LF08-MW15B	1608	0.5	0	841.98	14.46	14.85			
02-DM-81~~D~~S-M	1550	0.5	0		26.65	27.07			
02-DM-81~~D~~S-M	1553	0.5	0		29.35	29.84			
02-DM-83D-M	1422	0.7	0		16.97	17.20			Bee Hive in well 83D-1
02-DM-83~~D~~S-M	1500	—	—		14.82	15.12			30-40 Bee Swarm
LF08-MW101	1030	0.7	0		31.74				water in vault
LF08-MW102	1025	0.6	0		37.[illegible]				
LF08-MW103	1045	0.6	0		35.10				

Sample Team: D. Rasor, M. [illegible]

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: 7-26-00
Logbook #: 1

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
LF8 Extraction Wells									
EW-0801	1050	0.5	0	937.59	38.85				
EW-0803	1043	0.5	0	936.73	50.90		5.0-55.5	55.5	
EW-0805	1038	0.6	0	938.54	50.21				
EW-0807	1020	0.7	0	934.69	41.76		5.0-51.5	51.5	
EW-0810	1015	0.7	0	930.69	48.08				
EW-0812	1005	0.7	0	926.88	42.97		5.0-50.0	50.0	
EW-0816	1000	0.8	0	932.99	28.02		5.0-55.0	55.0	
Landfill 10									
LF10-MW01A				918.50					
LF10-MW01B				918.52					
LF10-MW01C				918.57					
LF10-MW03A				907.49					
LF10-MW04A				898.90			184.20-194.20	196.5	
LF10-MW04B				898.86			113.65-123.65	126.0	
LF10-MW04C				898.87			56.00-61.00	65.0	
LF10-MW05B				858.44			27.00-34.20	37.0	
LF10-MW05C				859.06			3.42-8.42	11.0	
LF10-MW06A				894.62			74.80-84.80	87.1	
LF10-MW06A DUP				897.78					
LF10-MW06B				894.09			37.15-42.50	44.0	
LF10-MW07A				897.54					

Sample Team:

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date:
Logbook #:

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
LF10-MW07B				897.01					
LF10-MW07C				897.72					
LF10-MW08A-2				863.35			79.9-89.9	92.2	
LF10-MW08B				865.09			11.5-16.5	18.66	
LF10-MW09A				877.98			77-87	88.0	
LF10-MW09B				878.21			46.4-57	60.2	
LF10-MW09C				878.17			31.05-41.10	44.17	
LF10-MW10A				844.26					
LF10-MW10B				844.40					
LF10-MW10C				844.19					
LF10-MW10D				848.99					
LF10-MW11A				854.20			61.7-71.7	74.0	
LF10-MW11B				854.52			30.2-40.2	43.0	
LF10-MW13A				845.53					
LF10-MW13C									
LF10-MW14A									
01-DM101S-M									
01-DM101D-M									
01-DM102S-M									
01-DM102D-M									
02-DM-82M	1412	0.4	0		11.11	11.43			
02-DM-84-M	1147	0.5	0		20.50	20.95			
02-DM-85-M	1155	0.5	0		4.61	5.04			

Sample Team: D. Rasor M. Woodruff

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: 7-26-00
Logbook #: 1

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
01-004-M				883.23					
01-005-M				840.01					
02-003-M	1145	0.4	0		3.61	3.80			
LF10-MW102		~~0.4~~ MW	~~0~~						
LF10-MW103									
LF10-MW104									
LF10-MW105									
LF10 Extraction Wells									
EW-1001				908.28			3.0-53.0	53.0	
EW-1002				921.78					
EW-1003				915.81			6.0-66.0	66.0	
EW-1004				923.08					
EW-1006				916.36					
EW-1008				911.05			6.0-36.0	36.0	
EW-1011				909.31					
EW-1012				891.43			4.0-31.0	31.0	
EW-1013				886.21					
EW-1014				884.90					
EW-1015				907.94			6.0-62.0	62.0	
EW-1016				907.88					

Sample Team:

_____

_____

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date:_____
Logbook #:_____

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water		Screended Interval (ft)	TWD (ft)	Remarks
					TOC (ft)	TOPC (ft)			
EW-1017				901.79					
EW-1018				901.77					
EW-1019				884.74			2.0-52.0	52.0	
EW-1020				868.18			4.0-35.0	35.0	
EW-1022				871.32					
EW-1024				891.25			5.0-41.0	41.0	
EW-1025				877.61			3.0-43.0	43.0	
EW-1026				861.26					

TOC = Top of Casing
TOPC = Top of Protective Casing
TWD = Total Well Depth

Sample Team: M. Woodruff-Chuller
B. McKenney

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: 11/8/00
Logbook #: 3

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
Landfill 8									
LF08-MW01A	0958	1.8	NT	905.69	7.39	7.72		42.2	
LF08-MW01C	0955	2.0		905.92	9.61	10.22		17.0	
LF08-MW02A	0925	1.6		894.07	7.63	7.99		56.0	
LF08-MW02C	0920	1.8		895.61	15.06	15.58		24.0	
LF08-MW04A	1016	2.6		913.45	33.68	34.14		68.0	
LF08-MW04B	1018	2.6		912.76	28.43	28.80		39.0	
LF08-MW04C	1014	0.6		914.02	26.41	26.77		28.0	
LF08-MW05A	1124	rain not taken		949.38	33.92	34.44		88.0	
LF08-MW05B	1123			949.17	23.92	24.57		53.8	
LF08-MW05C	1125			949.30	22.97	24.02		30.0	
LF08-MW06A	0937	0.1		891.30	30.50	30.98	53.5-73.8	80.0	
LF08-MW06B	0939	1.6		890.63	14.87	15.49	32.75-42.75	45.0	
LF08-MW06C	0941	1.6		891.72	DRY		7.0-12.0	14.0	
LF08-MW07A	1137	rain not taken		952.62	25.82	26.21		64.0	
LF08-MW07B	1140			952.56	26.45	26.67		40.0	
LF08-MW07C	1135			952.79	26.52	26.75		31.0	
LF08-MW08A	0948	1.8		878.70	6.86	7.11		36.0	
LF08-MW08B	0944	1.6		878.63	6.81	7.58		24.0	
LF08-MW08C	0946	1.8		877.72	10.26	10.44		14.0	
LF08-MW09A	1037	4.2		855.38	16.97	17.34	25.2-30.2	32.5	
LF08-MW09B	1035	4.6		856.01	17.78	17.80	13.67-18.67	20.5	
LF08-MW10A	1054	6.6		911.86	27.54	28.06	53.7-63.8	66.0	
LF08-MW10B	1050	5.0		912.27	25.11	25.31	29.8-34.8	39.0	

Sample Team: M. Woodruff-Chiler
B. Mitchell

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: 11/8/00
Logbook #: 3

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
LF08-MW10C	1052	5.4	NT	911.83	DRY		17.5-22.5	25.0	
LF08-MW11A	1110	rain not taken		934.37	15.11	15.40		57.0	
LF08-MW11B	1108			934.95	14.44	14.81		44.3	
LF08-MW11C	1111			935.18	13.80	14.22		23.9	
LF08-MW12B	1100	8.0		936.03	14.89	15.09		35.8	
LF08-MW12C	1102	8.2		936.16	14.94	15.29		13.5	
LF08-MW13A	1105	9.0		934.01	16.72	17.12		88.5	
LF08-MW13B	1106	8.4		933.22	13.71	14.16		30.9	
LF08-MW13C	1107	8.6		933.48	14.56	14.36		19.7	
LF08-MW14B	1117	rain not taken		942.45	15.26	15.94		38.0	
LF08-MW14C	1115			941.75	13.98	14.42		21.2	
LF08-MW101	1033	0.4		925.72	34.66			68.0	
LF08-MW102	1020	3.0		933.69	39.82			73.0	
LF08-MW103	1025	3.2		937.16	37.05			68.0	
02-DM-81S-M	1125	rain not taken		849.75	30.09	30.48		36.3	
02-DM-81D-M	1127			949.67	32.54	32.84		94.4	
02-DM-82S-M	0933	1.6		893.37	14.50	14.78		893.4	
02-DM-83S-M	1056	7.6		913.32	20.38	20.54		17.0	
02-DM-83D-M	1057	7.2		912.56	16.97	17.23		72.7	
02-DM-84-M	0924	2.0		914.49	23.09	23.47			
02-003-M	0930	1.6		850.24	6.75	6.93			
02-DM-85-M	0923	2.0			7.16	7.68			

LF8 Extraction Wells									

Sample Team: M. Woodruff-Chiller
B Mitchey

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: 11/8/00
Logbook #: 3

Well No.	Log Time	PID Reading (ppm) ☆	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	QED #'s ~~Remarks~~
EW-0801	0910	1.1	NT	937.59	36.80			55.5	243939
EW-0803	0905	1.1		936.73	49.15		5.0-55.5	55.5	092980
EW-0805	0900	2.0		938.54	52.76			55.5	089856
EW-0807	0855	2.0		934.69	44.43		5.0-51.5	51.5	091234
EW-0810	0847	0.3		930.69	46.90			55.0	830046
EW-0812	0843	0.2		926.88	25.82		5.0-50.0	50.0	718646
EW-0816	0835	0.3		932.99	29.25		5.0-55.0	55.0	540983

☆ due to the heavy rain - readings were not taken after 1107, readings between 1035-1107 are highly suspect due to the light rain interference

Landfill 10									
LF10-MW01A				918.50				106.0	
LF10-MW01B				918.52				40.0	
LF10-MW03A				907.49				NA	
LF10-MW04B				898.86			113.65-123.65	126.0	
LF10-MW05B				858.44			27.00-34.20	37.0	
LF10-MW05C				859.06			3.42-8.42	11.0	
LF10-MW06A				894.62			74.80-84.80	87.1	
LF10-MW06A DUP				897.78				66.0	
LF10-MW06B				894.09			37.15-42.50	44.0	
LF10-MW07A				897.54				82.0	
LF10-MW07B				897.01				36.0	
LF10-MW07C				897.72				18.0	
LF10-MW08A-2				863.35			79.9-89.9	92.2	
LF10-MW08B				865.09			11.5-16.5	18.66	

Sample Team: D. Wagner
M. Smith

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: 11/8/10
Logbook #: 3

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
LF8 Extraction Wells									
EW-0801				937.59				55.5	
EW-0803				936.73			5.0-55.5	55.5	
EW-0805				938.54				55.5	
EW-0807				934.69			5.0-51.5	51.5	
EW-0810				930.69				55.0	
EW-0812				926.88			5.0-50.0	50.0	
EW-0816				932.99			5.0-55.0	55.0	
Landfill 10									
LF10-MW01A	1009	raining, not taken		918.50	75.28	75.64		106.0	
LF10-MW01B	1007	"	"	918.52	26.67	27.01		40.0	
LF10-MW03A	1026	"	"	907.49	89.81	90.15		NA	
LF10-MW04B	1028	"	"	898.86	99.24	99.64	113.65-123.65	126.0	
LF10-MW05B	0952	"	"	858.44	20.35	20.85	27.00-34.20	37.0	needs lock
LF10-MW05C	0954	"	"	859.06	10.74	~~0~~ 10.96	3.42-8.42	11.0	
LF10-MW06A	1032	"	"	894.62	71.70	72.30	74.80-84.80	87.1	
LF10-MW06A DUP	1034	"	"	897.78	66.99	67.38		66.0	
LF10-MW06B	1036	"	"	894.09	34.97	35.42	37.15-42.50	44.0	
LF10-MW07A	0917	raining not taken		897.54	53.35	53.43		82.0	
LF10-MW07B	0916	raining not taken	"	897.01	dry	dry		36.0	well not secure
LF10-MW07C	0918	"	"	897.72	dry (bailer stuck)			18.0	bailer stuck in well
LF10-MW08A-2	1045	"	"	863.35	87.33	87.11	79.9-89.9	92.2	
LF10-MW01C	1008	"	"		14.47	14.90			

Sample Team: Divliner
M. Smith

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: 11/8/00
Logbook #: 2

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
LF10-MW08B	1044	raining, not taken →		865.09	10.11	10.11	11.5-16.5	18.66	
LF10-MW09A	1109	"	"	877.98	50.60	51.13	77-87	88.0	
LF10-MW09B	1108	"	"	878.21	51.00	51.50	46.4-57	60.2	
LF10-MW09C	1106	"	"	878.17	36.70	37.35	31.05-41.10	44.17	
LF10-MW10B	1048	"	"	844.40	dry			26.0	
LF10-MW10C	1049	"	"	844.19	48.48	48.88		68.0	
LF10-MW11A	1100	"	"	854.20	30.35	30.85	61.7-71.7	74.0	
LF10-MW11B	1102	"	"	854.52	28.47	29.28	30.2-40.2	43.0	
LF10-MW13A	1056	"	"	845.53	21.80	22.09		52.0	
LF10-MW13C	1057	"	"	845.64	21.30	21.65		40.0	
LF10-MW102	1039	"	"	891.25	dry			65.0	
LF10-MW103	0924	raining not taken →		909.65	32.42			42.0	
LF10-MW104	0948	"	"	909.40	dry			82.0	
LF10-MW105	0839	not taken, raining →		873.02	46.50			65.0	Out
01-004-M	0912	"	"	883.23	49.03	49.49		63.0	
01-005-M	1112	"	"	840.01	9.85	10.10		46.0	
01-DM101S-M	1121	"	"	914.95	37.81	38.10		51.8	
01-DM101D-M	1119	"	"	914.54	dry			85.0	
01-DM102S-M	1053	"	"	844.88	48.65	48.90		98.0	
01-DM102D-M	1051	"	"	844.27	26.00	26.36		98.0	
LF10MW14A	1019	"	"		73.75	74.22			

Sample Team:
Darryn Warner
Melissa Smith

Landfills 8 and 10 Groundwater Level Log
WPAFB

Date: 11/08/00
Logbook #: 2

Well No.	Log Time	PID Reading (ppm)	LEL (%)	TOC Elevation (ft)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Screended Interval (ft)	TWD (ft)	Remarks
LF10 Extraction Wells									
EW-1001	0929	raining, not taken →		908.28	34.40		3.0-53.0	53.0	QED-150641
EW-1002	0932	"	"	921.78	44.45			53.0	QED-000084
EW-1003	0926	"	"	915.81	20.25		6.0-66.0	66.0	QED-753380
MS 1006 EW-~~1004~~	0938 ~~0929~~ MS	"	"	MS 916.36 ~~933.08~~	30.28			38.0 MS ~~63.0~~	QED-006896
MS 1004 EW-~~1006~~	0943	"	"	MS 923.08 ~~916.36~~	56.79			63.0 MS ~~38.0~~	QED-008881
EW-1008	0935	"	"	911.05	dry		6.0-36.0	36.0	QED-000805
EW-1011	0821	raining, not taken →		909.31	56.66			66.0	QED-000039
EW-1012	0823	"	"	891.43	32.33		4.0-31.0	31.0	QED-019291
EW-1013	0827	"	"	886.21	31.28			30.0	QED-004170
EW-1014	0830	"	"	884.90	dry			30.0	QED000043
EW-1015	0905	"	"	907.94	44.71		6.0-62.0	62.0	well was turned off QED-001056
EW-1016	0902	"	"	907.88	29.80			50.5	QED-022044
EW-1017	0855	"	"	901.79	dry			48.0	QED-001531
EW-1018	0859	"	"	901.77	dry			37.0	QED-008360
EW-1019	0834	raining, not taken →		884.74	no level taken (probe stuck)		2.0-52.0	52.0	QED-877167
EW-1020	0841	"	"	868.18	33.20		4.0-35.0	35.0	QED-686900
EW-1022	0844	"	"	871.32	60.23			65.0	QED-111623
EW-1024	0853	"	"	891.25	39.61		5.0-41.0	41.0	groundhog hole QED-019484
EW-1025	0850	"	"	877.61	38.38		3.0-43.0	43.0	QED-000092
EW-1026	0847	raining, not taken →		861.26	69.17			85.0	QED-018131

TOC = Top of Casing
TOPC = Top of Protective Casing
TWD = Total Well Depth

B-3

OU1 Explosive Gas Monitoring Field Logs: July and October 2000

OU1
LANDFILL 10
LANDFILL GAS MONITORING
Date:

Location	Purge Start Time	Time Purged	Methane %	O2 %	LEL %	CO2 %	Pressure (H_2O)	Comments
LF10-MP014	1104	60sec.	0.0	18.5	0	0.3	29.1	
sustained *								
LF10-MP016	1110	60 sec.	0.0	9.5	0	3.7	28.9	Vault full of water. Bailed out using cup. Needs new gasket.
sustained								
LF10-MP018	NT	NT	NT	NT	NT	NT	NT	No longer around. GONE. Take off sheet
sustained								
LF10-MP019	1120	60 sec.	0.0	9.4	0	6.9	29.1	
sustained								
LF10-MP020	1115	60sec.	0.0	1.8	0	5.0	28.5	
sustained								
LF10-MP021	1125	60 sec.	0.0	18.5	0	1.4	29.1	
sustained								
LF10-MP023	1130	60sec.	0.0	18.2	0	1.1	29.1	
sustained								
LF10-MP026	1140	60sec.	0.0	19.8	0	0.0	29.1	
sustained								
LF10-PT030	1410	60sec.	0.0	19.5	0	0.0	29.1	
sustained								
LF10-PT031	1412	60sec.	0.0	19.6	0	0.0	29.1	
sustained								
LF10-PT035	1406	60sec.	0.0	19.4	0	0.3	29.1	
sustained								
LF10-PT036	1408	60 sec.	0.0	19.4	0	0.2	29.1	
sustained								
LF10-PT060	1355	60 sec.	0.0	19.8	0	0.2	29.1	
sustained								
LF10-PT065	1357	60sec.	0.0	19.7	0	0.2	29.1	
sustained								
LF10-PT078	1352	60sec.	0.0	20.0	0	0.0	~~0.0~~ 29.1	
sustained								
LF10-PT085	1348	60sec.	0.0	19.6	0	0.4	29.1	
sustained								
LF10-PT088	1345	60sec.	0.0	19.9	0	0.1	29.1	
sustained								
LF10-PT090	1340	60sec.	0.0	19.9	0	0.1	29.1	
sustained								
LF10-PT091	1335	60 sec.	0.0	19.8	0	0.6	29.1	
sustained								
LF10-PT093	1403	60sec.	0.0	19.6	0	0.2	29.1	
sustained								
LF10-PT095	1400	60sec.	0.0	19.8	0	0	29.1	
sustained								
LF10-PT100	1330	60sec.	0.0	19.8	0	0.2	29.1	
sustained								
LF10-GBTOS	1100	60 sec.	11.7	4.6	222	19.0	29.1	
sustained	1130	60sec.	0.0	19.9	0	0.0	29.1	
LF10-GBTON	1195	60sec.	0.0	19.9	0	0.0	29.1	
sustained								

* Sustained readings taken 30 minutes after removing monitoring probe fittings.

OU1
LANDFILL 8
LANDFILL GAS MONITORING
Date: 7/24/09

D. Wamer
J. Pease

Location	Purge Start Time	Time Purged	Methane %	O2 %	LEL %	CO2 %	Pressure (H_2O)	Comments
LF08-MP001	0904	60 sec.	0.0	18.0	0	3.3	29.1	
sustained *								
LF08-MP002	0912	60 sec.	0.0	20.2	0	0.3	29.1	Vault still needs repaired
sustained								
LF08-MP003	0917	60 sec.	0.0	19.9	0	0.3	29.1	Lock needs oiled
sustained								
LF08-MP004	0925	60 sec.	0.0	17.8	0	1.3	29.1	
sustained								
LF08-MP005								No longer there; NOT TAKEN
sustained								
LF08-MP006	0940	60 sec.	0.0	19.9	0	0.0	29.1	Lock needs oiled
sustained								
LF08-MP007	1020	60 sec.	0.0	19.9	0	0.0	29.1	
sustained								
LF08-MP008	1014	60 sec.	0.0	5.0	0	3.3	28.7	Water in vault - new gasket? Sucked water into hose,
sustained								
LF08-MP009	1006	60 sec.	0.0	2.3	0	17.9	29.1	Water in vault - bailed out using cup. Needs new gasket?
sustained								
LF08-MP010	1007	60 sec.	19.7	0.4	394	14.2	29.1	Water in vault - bailed out using cup. Needs new gasket?
sustained	1032	60 sec.	0.0	19.9	0	0.0	29.1	
LF08-MP011	0958	60 sec.	0.0	19.8	0	0.0	29.1	
sustained								
LF08-MP012	0955	60 sec.	0.1	0.6	002	7.9	29.1	Vault full of water - Bailed out using cup. Needs new gasket?
sustained	1025	60 sec.	0.0	18.8	0	0.2	29.1	
LF08-MP013	0930	NT	NT	NT	NT	NT	NT	Valve stem still broken. Needs repaired.
sustained								
LF08-PT003	1420	60 sec.	0.0	19.5	0	0.0	29.1	
sustained								
LF08-PT10A	1425	60 sec.	0.0	19.4	0	0.1	29.1	
sustained								
LF08-PT10B	1428	60 sec.	0.0	19.0	0	0.3	29.1	
sustained								
LF08-PT10C	NT	NT	NT	NT	NT	NT	NT	No such location. Not marked on map.
sustained								

* Sustained readings taken 30 minutes after removing monitoring probe fittings.

common3/Plamondo/Lfm/Forms/Field.xls/LF08

OU1
LANDFILL 8
LANDFILL GAS MONITORING
Date: 9-28

Location	Purge Start Time	Time Purged (sec)	Methane %	O2 %	LEL %	CO2 %	Pressure ~~(H2O)~~ Hg"	Comments
LF08-MP001 sustained *	1046	40	0	19.8	0	0	29.2	
LF08-MP002 sustained	1055	30	0	16.8	0	2.6	29.2	
LF08-MP003 sustained	1101	40	0	18.5	0	1	29.3	needs new lock
LF08-MP004 sustained	1109	40	0	18.7	0	0.8	29.3	Lid bolt threads stripped
~~LF08-MP005~~ sustained								Removed
LF08-MP006 sustained	1138	40	0	14.3	0	2.1	29.2	Needs new valve & Bolt missing
LF08-MP007 sustained	1509	80	0	19.1	0	0	29.2	
LF08-MP008 sustained	1500	40	0	10.6	0	1.8	28.8	
LF08-MP009 sustained	1455	35	0	6	0	13.4	29.2	
LF08-MP010 sustained	1205	40	0	15.6	0	3.5	29.3	
LF08-MP011 sustained	1445	90	0	9.4	0	5.7	29.3	
LF08-MP012 sustained	1439	30	0	9.4	0	7.5	29.2	
LF08-MP013 sustained	1432	30	0	10.7	0	8.8	29.2	
LF08-PT003 sustained	1420	50	0	19.4	0	0	29.2	
LF08-PT10A sustained	1524	30	0	18.8	0	0.2	29.2	
LF08-PT10B sustained	1520	30	0	19.1	0	0	29.2	
LF08-PT10C sustained	1522	30	0	19.1	0	0	29.2	

* Sustained readings taken 30 minutes after removing monitoring probe fittings.

OU1
LANDFILL 10
LANDFILL GAS MONITORING
Date: 9-29

Location	Purge Start Time	Time Purged	Methane %	O2 %	LEL %	CO2 %	Pressure ~~(H2O)~~ Hg"	Comments
LF10-MP014	1240	45	0	17.1	0	0.5	29.3	Needs new lock
sustained *								
LF10-MP016	1226	50	0	8.8	0	3.8	29.4	
sustained								
~~LF10-MP018~~								Removed
sustained								
LF10-MP019	1220	90	0	4.7	0	12.0	29.4	
sustained								
LF10-MP020	1214	50	0	11.1	0	3.4	29.4	Needs new lock
sustained								
LF10-MP021	1044	60	0	17.3	0	1.8	29.4	Needs new lock
sustained								
LF10-MP023	1025	40	0	17.3	0	2.7	29.4	
sustained								
LF10-MP026	1017	50	0	17.8	0	0.3	29.4	
sustained								
LF10-PT030	1255	45	0	18.8	0	0	NA	
sustained								
LF10-PT031	1259	30	0	18.7	0	0		
sustained								
LF10-PT035	1248	35	0	18.7	0	0		
sustained								
LF10-PT036	1251	30	0	18.7	0	0		
sustained								
LF10-PT060	1033	60	0	16.5	0	2.2		
sustained								
LF10-PT065	1036	50	0	19.1	0	0		
sustained								
LF10-PT078	1010	30	0	18.9	0	0.3		
sustained								
LF10-PT085	1000	50	0	19.2	0	0		
sustained								
LF10-PT088	1003	30	0	19.1	0	0		
sustained								
LF10-PT090	0948	45	0	18.6	0	0.6		
sustained								
LF10-PT091	0945	45	0	18.6	0	0.8		
sustained								
LF10-PT093	1641	40	0	18.8	0	0.2		
sustained								
LF10-PT095	1053	40	0	19.0	0	0		
sustained								
LF10-PT100	1652	35	0	17.3	0	1.1		
sustained								
LF10-GBTOS	1232	50	0.1	14.4	2	4.6	29.3	
sustained	1245	20	0	18.8	0	0	29.3	
LF10-GBTON	0955	45	0	11.5	0	10.5	29.4	
sustained								

* Sustained readings taken 30 minutes after removing monitoring probe fittings.

Appendix C

OU1 Chain of Custody Records and Analytical Data

C-1 OU1 Chain of Custody Records: July and October
C-2 OU1 Groundwater Analytical Data: July
C-3 OU1 Groundwater Analytical Data: October

C-1

OU1 Chain of Custody Records: July and October

Chain of Custody Record

Quanterra

OUA-4124

Client	Project Manager	Date	Chain Of Custody Number
IT Corporation	Joe Tyburski	7/27/00	13798
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
11499 Chester Rd.	(513) 782-4700 / (513) 782-4807	(330) 966-9786	
City / State / Zip Code	**Site Contact**		
Cincy / OH / 45246	Greg Plamondon (513) 782-4823		
Project Name	**Carrier/Waybill Number**		
WPAFB - OU1 Quarterly	FEDEX # 821758470035		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC's	Metals
WP-EW1024-0700-GW001	7/27/00	1315	Groundwater	3x40ml	VOA	3	HCl		X	
↓	↓	↓	↓	1L	Poly	1	HNO_3			X
WP-EW0803-0700-GW01	7/27/00	1430	Groundwater	3x40ml	VOA	3	HCl		X	
	↓	↓	↓	1L	Poly	1	HNO_3			X
WP-EW1001-0700-GW01	7/27/00	1040	GW	3x40ml	VOA	3	HCl		X	
	↓	↓	↓	1L	Poly	1	HNO_3			X
WP-EW1001-0700-GW01 #51	7-27-00	1042	GW	3x40ml	VOA	3	HCl		X	
	↓	↓	↓	1L	Poly	1	HNO_3			X
WP-EW1006-0700-GW01	7-27-00	1111	GW	3x40ml	VOA	3	HCL		X	
		↓								
WP-EW0816-0700-GW01	7-27-00	1350	GW	3x40ml	VOA	3	HCL		X	
	↓	↓	↓	1L	Poly	1	HNO_3			X
WP-EW0816-0700-MS	7-27-00	1355	GW	3x40ml	VOA	3	HCL		X	
	↓	↓	↓	1L	Poly	1	HNO_3			X
WP-EW0816-0700 MSD	7-27-00	1400	GW	3x40ml	VOA	3	HCL		X	
	↓	↓	↓	1L	Poly	1	HNO_3			X

Analysis

Special Instructions: Report results to Joe Tyburski. All samples cooled to 4°C

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

1. Relinquished By	Date	Time	1. Received By	Date	Time
Damon M. Wamo	7/28/00	1200			
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tyburski	Date: 7-27-00 & 7/28/00	Chain Of Custody Number: 13795
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700 (513) 782-4807	Lab Number: (330) 966-9786	Page 2 of 2
City: Cincinnati State: OH Zip Code: 45246	Site Contact: Greg Plamondon (513) 782-4823		
Project Name: WPAFB-OU1 Quarterly	Carrier/Waybill Number: Fedex #821758470035		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC's	Metals	TSS	pH	COD	Oil + Grease	Molybdenum Metals
WP-EW0812-0700-GW01	7-27-00	1425	GW	3x40ml	VOA	3	HCL		X						
⊥	⊥	⊥	⊥	1L	Poly	1	HNO_3			X					
WP-EW0807-0700-GW01	7-27-00	1445	GW	3x40ml	VOA	3	HCL		X						
⊥	⊥	⊥	⊥	1L	Poly	1	HNO_3			X					
WP-EW0803-0700-RB01	7/27/00	1445	Groundwater	3x40ml	VOA	3	HCl		X						
⊥	⊥	⊥	⊥	1L	Poly	1	HNO_3			X					
WP-LF8/10-LW0700	7/28/00	0930	Effluent H_2O	3x40ml	VOA	3	HCL		X						
↓	↓	↓	↓	1L	Poly	1	HNO_3			X					X
				250ml	Poly	1	Cool to 4°C				X	X			
				250ml	Poly	1	H_2SO_4						X		
				1L	Glass	1	H_2SO_4							X	
TRIP BLANK	7/28/00	1145	DI H_2O	1x40ml	VOA	1	Cool to 4°C		X						

Special Instructions: Report Results to Joe Tyburski All samples cooled to 4°C

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: Danny M. Warner	7/28/00	1200	1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

Quanterra

QUA-4124

Client	IT Corporation
Address	11499 Chester Rd
City	Cincinnati
State	OH
Zip Code	45246
Project Name	WPAFB
Contract/Purchase Order/Quote No.	
Project Manager	Joe Tubinski
Telephone Number (Area Code)/Fax Number	(513) 782-4700 / (513) 782-4749
Site Contact	Greg Plamondon
Carrier/Waybill Number	FEDEX / 821758469903
Date	10-18-00
Lab Number	
Chain Of Custody Number	13602
Page	1 of 1

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC	SVOC	Dioxin/Furan	Pest/PCB	TAL Metals	Ammonia	Cyanide
WP-LF08-MW102-1000	10/18/00	0915	Gnd wtr	120ml	VOA	3	HCl		X						
				1L	Amber	1	4°C			X					
				2L		2					X				
				1L		1						X			
				1L	Poly	1	HNO_3						X		
				500ml		1	H_2SO_4							X	
				250ml		1	NaOH								X
WP-LF10-MW08A-2-1000	10/18/00	1010	Gnd wtr	120ml	VOA	3	HCl		X						
				2L	Amber	2	4°C			X					
				2L		2					X				
				1L		1						X			
				1L	Poly	1	HNO_3						X		
				500ml		1	H_2SO_4							X	
				250ml		1	NaOH								X
				1L	Amber	1	4°C								

LAST ENTRY

Special Instructions
* - Extra extract. - analyze as needed

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Turn Around Time Required
☒ Normal ☐ Rush

QC Level
☐ I. ☐ II. ☐ III.

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Project Specific (Specify)

	Date	Time
1. Relinquished By	10/18/00	1700
2. Relinquished By		
3. Relinquished By		

	Date	Time
1. Received By FedEx	10/18/00	1700
2. Received By		
3. Received By		

Comments

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client	Project Manager	Date	Chain Of Custody Number
IT CORPORATION	JOE TYBURSKI	10/23/00	13608
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	
11499 CHESTER RD	(513) 782-4700/(513) 782-4749		Page 1 of 1
City / State / Zip Code	**Site Contact**		
CINCINNATI / OH / 45246	GREG PLAMONDON		
Project Name	**Carrier/Waybill Number**		
WPAFB	FEDEX: 820967086953		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC	SVOC	DIOXIN/FURAN	PEST/PCB	EXTRA EXTRACT	TAL METALS	AMMONIA	CYANIDE
LTM-044-MW-12B-1000	10/23/00	0945	GROUNDWATER VOC	3x40ml	CLEAR VOA	[redacted]	HCl/4°C		X							
LTM-044-MW-02A-1000		1048							X							
LTM-044-MW-02B-1000		1130							X							
LTM-044-MW-04A-1000		1345							X							
LTM-044-MW-04A-1000MS		1345							X							
LTM-044-MW-04A-1000MSD		1345							X							
[redacted] WP-LF08-MW02C-1000	10/23/00	1530	VOC	3x40ml	CLEAR VOA	[redacted]	HCl/4°C		X							
			SVOC	2x1l	AMBER GLASS		4°C			X						
			DIOXIN/FURAN	2x1l	AMBER GLASS						X					
			PEST/PCB	1x1l	AMBER GLASS							X				
			EXTRA EXTRACT	1x1l	AMBER GLASS								X			
			TAL METALS	1x1l	POLY		HNO3							X		
			AMMONIA	1x500ml	POLY		H2SO4								X	
WP-LF08-MW02C-1000	10/23/00	1530	CYANIDE	1x250ml	POLY		NaOH									X

Special Instructions

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Turn Around Time Required
☒ Normal ☐ Rush

QC Level
☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/23/00	1800	1. Received By: FEDEX	10/23/00	
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client	Project Manager	Date	Chain Of Custody Number
IT Corporation	Joe Tylburski	10-23-00	59924
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11499 Chester Rd	(513) 782-4700 / (513) 782-4749		
City / State / Zip Code	**Site Contact**		
Cincinnati / OH / 45246	Greg Plamondon		
Project Name	**Carrier/Waybill Number**		
WPAFB	Fedex: 820967086953		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC 624/8260	SVOC	Pest/PCB	Dioxin/Furan	Total Metals	Ammonia	Cyanide	Extra Extract.
WP-LF08-MW09B-1000	10-23-00	1415	Gnd wtr	120ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				1L	Amber	1	4°C				X					
				2L	Amber	2	4°C					X				
				1L	Poly	1	HNO_3						X			
				500ml	Poly	1	H_2SO_4							X		
				250ml	Poly	1	NaOH								X	
				1L	Amber	1	4°C									X
WP-LF08-MW09A-1000		1535		120ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L	Amber	2	4°C					X				
				1L	Amber	1	4°C				X					
				1L	Poly	1	HNO_3						X			
				500ml		1	H_2SO_4							X		
				250ml		1	NaOH								X	
				1L	Amber	1	4°C									X

Special Instructions

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn-Around Time Required
☒ Normal ☐ Rush

QC Level
☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/23/00	1800	1. Received By: FedEx	10/23/00	
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted] [redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tylbuski	Date: 10-23-00	Chain Of Custody Number: 13610
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513)782-4700 / (513)782-4849	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: Fedex: 820967086953		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/ MTBE	SVOC	PEST/PCB	DIOXIN/FURAN	TAL METALS	AMMONIA	CYANIDE	EXTRA EXTRACT.
LTM-05-DM-1238-1000	10-23-00	0948	Gnd wtr	120ml	VOA	3	HCl		X							
LTM-05-DM-1238-5000	↓	0948	↓	↓	↓	↓	↓		X							
LTM-05-DM123I-1000	↓	1052	↓	↓	↓	↓	↓		X							
LTM-05-DM123D-1000	↓	1142	↓	↓	↓	↓	↓		X							
TB-102300-1	10-23-00	0948	Trip Blank	80ml	VOA	2	4°C		X							
WP-LF08-MW02A-1000	10-23-00	1640	GROUNDWATER	120ml	VOA	3	HCl			X						
				2L	AMBER	2	4°C				X					
				1L	AMBER	1	↓					X				
				2L	AMBER	2	↓						X			
				1L	POLY	1	HNO_3							X		
				500ml	POLY	1	H_2SO_4								X	
				250ml	POLY	1	NaOH									X
WP-LF08-MW02A-1000	10-23-00	1640	GROUNDWATER	1L	AMBER	1	4°C									

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn-Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/23/00	1800	1. Received By: FedEx	10/23/00	1800
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tylbulski	Date: 10-23-00	Chain Of Custody Number: 13610
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4249	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: fedex: 820967086953		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/ MTBE	SVOC	PEST/PCB	DIOXIN/FURN	TAL METALS	AMMONIA	CYANIDE	EXTRA EXTRACT.
LTM-05-DM-123S-1000	10-23-00	0948	Gnd wtr	120ml	VOA	3	HCl		X							
LTM-05-DM-123S-5000	↓	0948	↓	↓	↓	↓	↓		X							
LTM-05-DM123I-1000	↓	1052	↓	↓	↓	↓	↓		X							
LTM-05-DM123D-1000	↓	1142	↓	↓	↓	↓	↓		X							
TB-102300-1	10-23-00	0948	Trip Blank	80ml	VOA	2	4°C		X							
WP-LF08-MW02A-1000	10-23-00	1640	GROUNDWATER	120ml	VOA	3	HCl			X						
↑	↑	↑	↑	2L	AMBER	2	4°C				X					
				1L	AMBER	1	↓					X				
				2L	AMBER	2	↓						X			
				1L	POLY	1	HNO_3							X		
				500ml	POLY	1	H_2SO_4								X	
				250ml	POLY	1	NaOH									X
WP-LF08-MW02A-1000	10-23-00	1640	GROUNDWATER	1L	AMBER	1	4°C									

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn-Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/23/00	1800	1. Received By: FedEx	10/23/00	1800
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client	Project Manager	Date	Chain Of Custody Number
IT Corporation	Joe Tyburski	10-24-00	59926
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11499 Chester Rd	(513) 782-4700 / (513) 782-4749		
City / State / Zip Code	**Site Contact**		
Cincinnati / OH / 45246	Greg Plamondon		
Project Name	**Carrier/Waybill Number**		
WPAFB	fedex 820967086942		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	Dioxin/Furan	Pesticides/PCBs	Total Metals	Ammonia	Cyanide	Extra Extractable
WP-LF08-MW101-1000	10-24-00	1000	Grdwtr	120ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L	Amber	2	4°C				X					
				1L	Amber	1	4°C					X				
				1L	Poly	1	HNO_3						X			
				500ml		1	H_2SO_4							X		
				250ml		1	NaOH								X	
				1L	Amber	1	4°C									X
WP-LF08-MW103-1000		1215		120ml	VOA	3	HCl		X							
				2L	Amber	2	~~HCl~~ 4°C			X						
				2L		2	4°C				X					
				1L		1	4°C					X				
				1L	Poly	1	HNO_3						X			
				500ml		1	H_2SO_4							X		
				250ml		1	NaOH								X	
				1L	Amber	1	4°C									X
TB-102400	10-24-00	0900	TripBlank	80ml	VOA	2	4°C		X							

Special Instructions:

Possible Hazard Identification	Sample Disposal
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Turn Around Time Required	**QC Level**	**Project Specific (Specify)**
☒ Normal ☐ Rush	☐ I. ☐ II. ☐ III.	

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/24/00	1800	1. Received By: FedEx	10/24/00	1800
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/24/00	Chain Of Custody Number: 56370
Address: 11499 CHESTER RD	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4749	Lab Number:	Page 1 of 1
City: CINCINNATI State: OH Zip Code: 45246	Site Contact: GREG PLAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX: 8209670869 42 [redacted] CP		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC W/MTBE	SVOC	DIOXIN/FURAN	PEST/PCB	TAL METALS	AMMONIA	CYANIDE	EXTRA EXTRACT
WP-LF08-MW08A-1000	10/24/00	1440 [redacted] CP	GROUNDWATER	120 ml	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1									X	
				1L	POLY	1	HNO3						X			
		1440 CP		500 ml		1	H2SO4							X		
WP-LF08-MW08A-1000	10/24/00	[redacted]	GROUNDWATER	250 ml		1	NaOH								X	
WP-LF08-MW08C-1000	10/24/00	1455	GROUNDWATER	120 ml	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1									X	
				1L	POLY	1	HNO3						X			
		1455		500 ml		1	H2SO4							X		
WP-LF08-MW08C-1000	10/24/00	1455	GROUNDWATER	250 ml		1	NaOH								X	

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/24/00	1800	1. Received By: FedEx	10/24/00	1800
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client	Project Manager	Date	Chain Of Custody Number
IT CORPORATION	JOE TYBURSKI	10/24/00	56371

Address: 11499 CHESTER RD

Telephone Number (Area Code)/Fax Number: (513) 782-4700/(513) 782-4749 FAX

Lab Number:

Page 1 of 1

City: CINCINNATI | State: OH | Zip Code: 45246

Site Contact: GREG PLAMENDON

Project Name: WPAFB

Carrier/Waybill Number: FEDEX: 8209670869 [redacted] 42 CP

Contract/Purchase Order/Quote No.:

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	DIOXIN/FURAN	PEST/PCB	TAL METALS	AMMONIA	CYANIDE	EXTRA EXTRACT
WP-LF08-MW08B-1000	10/24/00	1120	GROUNDWATER	120 ml	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L	AMBER	2					X					
				1L	AMBER	1						X	CP			
				1L	AMBER	1							[redacted]		X	
				1L	POLY	1	HNO_3						X			
				500 ml	POLY	1	H_2SO_4							X		
WP-LF08-MW08B-1000	10/24/00	1120	GROUNDWATER	250 ml	POLY	1	NaOH								X	
WP-LF08-MW08B-5000	10/24/00	1120	GROUNDWATER	120 ml	VOA	3	HCl		X	[redacted]						
				2L	AMBER	2	4°C			X						
				2L		2					X					CP
				1L		1						X				[redacted]
				1L		1										X
				1L	POLY	1	HNO_3						X			
WP-LF08-				500 ml		1	H_2SO_4							X		
WP-LF08-MW08B-5000	10/24/00	1120	GROUNDWATER	250 ml		1	NaOH								X	

Special Instructions:

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/24/00	1800	1. Received By: Fed Ex.	10/24/00	1800
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/25/00	Chain Of Custody Number: 59927
Address: 11499 CHESTER RD	Telephone Number (Area Code)/Fax Number: (513) 782-4700/(513)782-4749	Lab Number:	Page 1 of 1
City: CINCINNATI State: OH Zip Code: 45246	Site Contact: GREG PLAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX 8209670869 31		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	DIOXIN/FURAN	PEST./PCB	EXTRA EXTRACT	TAL METALS	AMMONIA	CYANIDE
WP-LF10-MW06B-1000	10/25/00	1025	GROUNDWATER	120ml	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO3							X		
				500ml		1	H_2SO_4								X	
WP-LF10-MW06B-1000	10/25/00	1025	GROUNDWATER	250ml		1	NaOH									X
WP-LF10-MW06A-1000	10/25/00	1210	GROUNDWATER	120ml	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO3							X		
				500ml		1	H_2SO_4								X	
WP-LF10-MW06A-1000	10/25/00	1210	GROUNDWATER	250ml		1	NaOH									X

Special Instructions: CP+VV

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

1. Relinquished By: Greg Plamondon	Date: 10/25/00	Time: 1800	1. Received By: FedEx	Date: 10/25/00	Time: 1800
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/25/00	Chain Of Custody Number: 51659
Address: 11499 CHESTER RD	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4749	Lab Number:	Page 1 of 1
City: CINCINNATI State: OH Zip Code: 45246	Site Contact: GREG PLAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX 820967086931		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	Dioxin/Furan	Pesticides/PCB	Total Metals	Ammonia	Cyanide	Extra Extract
WP-LF08-MW10B-1000 MSD	10-25-00	0945	Gnd wtr	120 ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L	↓	2	↓				X					
				1L	↓	1	↓					X				
				1L	Poly	1	HNO_3						X			
				500ml	↓	1	H_2SO_4							X		
				250ml	↓	1	NaOH								X	
				1L	Amber	1	4°C									X
WP-LF08-MW10A-1000		1420		120ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L	↓	2	↓				X					
				1L	↓	1	↓					X				
				1L	Poly	1	HNO_3						X			
				500ml	↓	1	H_2SO_4							X		
				250ml	↓	1	NaOH								X	
				1L	Amber	1	4°C									X

Special Instructions: MW + JO

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/25/00	1800	1. Received By: FedEx	10/25/00	1800
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/25/00	Chain Of Custody Number: 51660
Address: 11499 CHESTER RD	Telephone Number (Area Code)/Fax Number: (513) 782-4700/(513) 782-4749	Lab Number:	Page 1 of 1
City: CINCINNATI State: OH Zip Code: 45246	Site Contact: GREG PLAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX 820967086931		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/ NITRE	SVOC	Dioxin/Furan	Pesticides/PCB	Total Metals	Ammonia	Cyanide	Extra Extractable
WP-LF08-MW10B-1000	10-25-00	0945	Grd Wtr	120ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L	Amber	2					X					
				1L	Amber	1						X				
				1L	Poly	1	HNO_3						X			
				500ml		1	H_2SO_4							X		
				250ml		1	NaOH								X	
				1L	Amber	1	4°C									X
WP-LF08-MW10B-1000-MS				120ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L	Poly	1	HNO_3						X			
				500ml		1	H_2SO_4							X		
				250ml		1	NaOH								X	
				1L	Amber	1	4°C									X
TB-102500	10-25-00	0900	TRIPBLANK	80ml	VOA	2	4°C		X							

Special Instructions: MWH JO

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/25/00	1800	1. Received By: FedEx	10/25/00	1800
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/25/00	Chain Of Custody Number: 59929
Address: 11499 CHESTER RD	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4749	Lab Number	Page 1 of 1
City: CINCINNATI; State: OH; Zip Code: 45246	Site Contact: GREG PLAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX 820967086931		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	DIOXIN/FURAN	PEST./PCB	EXTRA EXTRACT	TAL METALS	AMMONIA	CYANIDE
WP-LF10-MW05B-1000	10/25/00	1440 [redacted] CT	GROUNDWATER	120 ml	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 ml		1	H_2SO_4								X	
WP-LF10-MW05B-1000	10/25/00	1440	GROUNDWATER	250 ml		1	NaOH									X
WP-LF10-MW05C-1000	10/25/00	1515	GROUNDWATER	120 ml	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 ml		1	H_2SO_4								X	
WP-LF10-MW05C-1000	10/25/00	1515	GROUNDWATER	250 ml		1	NaOH									X

Special Instructions: CP + VV

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By	10/25/00	1800	1. Received By: FED EX	10/25/00	1800
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/26/00	Chain Of Custody Number: 14699
Address: 11499 CHESTER RD	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4749	Lab Number:	Page 1 of 1
City: CINCINNATI; State: OH; Zip Code: 45246	Site Contact: GREG PLAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX		
Contract/Purchase Order/Quote No.: CP+VV			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/ MTBE	SVOC	DIOXIN/FURAN	PEST/PCB	EXTRA EXTRACTABLE	TAL METALS	AMMONIA	CYANIDE
WP-LF10-MW07A-1000	10/26/00	1020	GROUNDWATER	120 ml	VOA	3	HCl		X							
WP-LF10-MW07A-1000	↑	↑	↑	2L	AMBER	2	4°C			X						
				2L	↓	2	↓				X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 ml	↓	1	H_2SO_4								X	
WP-LF10-MW07A-1000	10/26/00	1020	GROUNDWATER	250 ml	↓	1	NaOH									X
WP-LF10-MW07A-5000	10/26/00	1020	GROUNDWATER	120 ml	VOA	3	HCl		X							
	↑	↑	↑	2L	AMBER	2	4°C			X						
				2L	↓	2	↓				X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 ml	↓	1	H_2SO_4								X	
WP-LF10-MW07A-5000	10/26/00	1020	GROUNDWATER	250 ml	↓	1	NaOH									X
WP-LF10-MW07C-1000	10/26/00	1055	GROUNDWATER	120 ml	VOA	3	HCl		X							
WP-LF10-MW07C-1000	10/26/00	1055	GROUNDWATER	1L	AMBER	1	4°C			X						

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/26/00	1800	1. Received By: FED EX	10/26/00	1800
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/26/00	Chain Of Custody Number: 14698
Address: 11499 CHESTER ROAD	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4749	Lab Number:	Page 1 of 1
City: CINCINNATI; State: OH; Zip Code: 45246	Site Contact: GREG PLAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX 820967086920		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	DIOXIN/FURAN	PEST/PCB	EXTRA EXTRACT	TAL METALS	AMMONIA	CYANIDE
WP-LF10-MW03A-1000	10/26/00	1325	GROUNDWATER	120 ml	VOA	3	HCl		X							
				[redacted] 1L	AMBER	1	4°C			X						
				[redacted] 2L		2					X					
				0.5L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 ml		1	H_2SO_4								X	
WP-LF10-MW03A-1000	10/26/00	1325	GROUNDWATER	250 ml		1	NaOH									X
WP-LF10-MW09B-1000	10/26/00	1625	GROUNDWATER	120 ml	VOA	1	[redacted] HCl		X							
				2L	AMBER	2	[redacted] 4°C			X						
				2L		2	4°C				X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 ml		1	H_2SO_4								X	
WP-LF10-MW09B-1000	10/26/00	1625	GROUNDWATER	250 ml		1	NaOH									X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/26/00	1800	1. Received By: FEDEX	10/26/00	1800
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tukuyski	Date: 10-26-00	Chain Of Custody Number: 51661
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4749	Lab Number:	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: FedEx		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/ MTBE	SVOC	Dioxin/Furan	Total metals	Pesticides/PCB	Ammonia	Cyanide	Extractable
WP-LF10-MW105-1000	10-26-00	0940	Groundwater	120ml	VOA	3	HCl		X							
				1L	Amber	1	4°C			X						
				2L	Amber	2	4°C				X					
WP-LF10-MW103-1000		1200		120ml	VOA	3	HCl		X							
				1L	Amber	1	4°C			X						
				2L	Amber	2	4°C				X					
				500ml	Poly	1	HNO_3					X				
WP-LF10-MW08B-1000		1700		120ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L		2					X					
				1L		1							X			
				1L	Poly	1	HNO_3					X				
				500ml		1	H_2SO_4							X		
				250ml		1	NaOH								X	
				1L	Amber	1	4°C									X

Special Instructions: M.W. + J.O.

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/26/00	1800	1. Received By: Fed Ex	10/26/00	
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted] [redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/26/00	Chain Of Custody Number: 59928
Address: 11499 CHESTER ROAD	Telephone Number (Area Code)/Fax Number: (513) 782-4700/(513) 782-4749	Lab Number:	Page 1 of 1
City: CINCINNATI State: OH Zip Code: 45246	Site Contact: GREG PIAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX 820967086920		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	DIOXIN/FURAN	PEST/PCB	EXTRA EXTRACT	TAL METALS	AMMONIA	CYANIDE
WP-LF10-MW09B-1000 MS	10/26/00	1625	GROUNDWATER	120 ml	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 ml		1	H_2SO_4								X	
WP-LF10-MW09B-1000 MS	10/26/00	1625	GROUNDWATER	250 ml		1	NaOH									X
WP-LF10-MW09B-1000 MSD	10/26/00	1625	GROUNDWATER	120 ml	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 ml		1	H_2SO_4								X	
WP-LF10-MW09B-1000 MSD	10/26/00	1625	GROUNDWATER	250 ml		1	NaOH									X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/26/00	1800	1. Received By: FedEx	10/26/00	1800
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corp.	Project Manager: Joe Tyburski	Date: 10-27-00	Chain Of Custody Number: 56368
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700/(513) 782-4749	Lab Number:	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: fedex 820967086482		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/ MTBE	SVOC	Dioxin/Furan	Pesticides/PCB	Ammonia	Cyanide	Total metals	Extra extractable
WP-02-DM-81S-M-1000	10-27-00	1030	Grdwtr	120ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L		2					X					
				1L		1						X				
				500ml	Poly	1	H_2SO_4						X			
				250ml		1	NaOH							X		
				1L		1	HNO_3								X	
				1L	Amber	1	4°C									X
WP-02-DM-81S-M-1000-AMB01				120ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L		2					X					
				1L		1						X				
				500ml	Poly	1	H_2SO_4						X			
				250ml		1	NaOH							X		
				1L		1	HNO_3								X	
				1L	Amber	1	4°C									X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/27/00	1600	1. Received By: FedEx	10/27/00	1600
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client	Project Manager	Date	Chain Of Custody Number
IT Corporation	Joe Tyburski	10-27-00	14692
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	
11499 Chester Rd	(513) 782-4700, (513) 782-4744		Page 1 of 1
City / State / Zip Code	**Site Contact**		
Cincinnati OH 45246	Greg Plamondon		
Project Name	**Carrier/Waybill Number**		
WPAFB	FedEx 8 2096708648 2		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC's w/ MTBE	SVOC's	Dioxin/Furan	PCB's/Pesticides	TAL metals	Ammonia	Cyanide
WP-01-004-M-1000	10-27-00	1145	GW	120ml	VOA	3	HCL		X						
				2L	Amber	2	4°C			X					
				2L	Amber	2	4°C				X				
				1L	Amber	1	4°C					X			
				1L	Poly	1	HNO3						X		
				500ml	Poly	1	H2SO4								
				250ml	Poly	1	NaOH								
TRIP Blanks	10-27-00	0900		80ml	VOA	2	HCL		X						

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/27/00	1600	1. Received By: FedEx	10/27/00	1600
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client	Project Manager	Date	Chain Of Custody Number
IT Corporation	Joe Tylinski	10-27-00	56369
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	
11499 Chester Rd	(513) 782-4700/(513) 782-4749		Page 1 of 1
City / State / Zip Code	**Site Contact**		
Cincinnati OH 45246	Greg Plamondon		
Project Name	**Carrier/Waybill Number**		
WPAFB	FedEx 820967086482		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	Dioxin/Furan	Pesticide/PCB	Extra Extractable	Total Metals	Ammonia	Cyanide				
WP-02-DM-84-M-1000	10/27/00	1305	Grd wtr	120ml	VOA	3	HCl		X											
				2L	Amber	2	4°C			X										
				2L		2					X									
				1L		1						X								
				1L		1							X							
				1L	Poly	1	HNO3							X						
				500ml		1	H2SO4								X					
				250ml		1	NaOH									X				

Special Instructions

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required
☒ Normal ☐ Rush

QC Level
☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/27/00	1600	1. Received By: Fed Ex	10/27/00	1600
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/30/00	Chain Of Custody Number: 14694
Address: 11499 CHESTER ROAD	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4749	Lab Number	Page 1 of 1
City: CINCINNATI State: OH Zip Code: 45246	Site Contact: GREG PLAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX #820967086493		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/ MTBE	SVOC	DIOXIN/FURAN	PEST/PCB	EXTRA EXTRACT	TAL METALS	AMMONIA	CYANIDE
WP-02-DM-82M-1000	10/30/00	1429	GROUNDWATER	120 mL	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 mL		1	H_2SO_4								X	
WP-02-DM-82M-1000	10/30/00	1429	GROUNDWATER	250 mL		1	NaOH									X
WP-02-DM-81D-M-1000	10/30/00	1150	GROUNDWATER	120 mL	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 mL		1	H_2SO_4								X	
WP-02-DM-81D-M-1000	10/30/00	1150	GROUNDWATER	250 mL		1	NaOH									X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

1. Relinquished By: [signature]	Date: 10/30/00	Time: 1800	1. Received By: FEDEX	Date: 10/30/00	Time: 1800
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corp.	Project Manager: Joe Tubluski	Date: 10/30/00	Chain Of Custody Number: 59588
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700/(513) 782-4749	Lab Number:	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: fedex #820967086493		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	Dioxin/Furan	Pesticides/PCB	extra extractable	Total Metals	Ammonia	Cyanide
WP-LF10-MW11B-1000	10/30/00	1125	Gnd wtr	120 ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	Poly	1	HNO_3							X		
				500 ml		1	H_2SO_4								X	
				250 ml		1	NaOH									X
WP-LF10-MW10C-1000		1545		120 ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	Poly	1	HNO_3							X		
				500 ml		1	H_2SO_4								X	
				250 ml		1	NaOH									X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/30/00	1800	1. Received By: fedex	10/30/00	1800
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/30/00	Chain Of Custody Number: 14693
Address: 11499 CHESTER ROAD	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4749	Lab Number:	Page 1 of 1
City: CINCINNATI State: OH Zip Code: 45246	Site Contact: GREG PLAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX # 820967086193		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOCN/MTBE	SVOC	DIOXIN/FURAN	PEST/PCB	EXTRA EXTRACT	TAL METALS	AMMONIA	CYANIDE
WP-LF10-MW09C-1000	10/30/00	925	GROUNDWATER	120 mL	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 mL		1	H_2SO_4								X	
WP-LF10-MW09C-1000	10/30/00	925	GROUNDWATER	250 mL		1	NaOH									X
WP-LF10-MW09A-1000	10/30/00	1029	GROUNDWATER	120 mL	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
WP-02-DM-BTD-M-1000 10/30/00 1150				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 mL		1	H_2SO_4								X	
WP-LF10-MW09A-1000	10/30/00	1029	GROUNDWATER	250 mL		1	NaOH									X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/30/00	1800	1. Received By: FEDEX	10/30/00	1800
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corp.	Project Manager: Joe Tyburski	Date: 10/30/00	Chain Of Custody Number: 59587
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700/(513) 782-4749	Lab Number:	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: Fedex # 820967086493		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	Dioxin/Furan	Pesticides/PCBs	Extra extractable	Total metals	Ammonia	Cyanide
WP-LF10-MW11A-1000	10/30/00	0925	Groundwtr	120ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	Poly	1	HNO_3							X		
				500ml		1	H_2SO_4								X	
				250ml		1	NaOH									X
WP-LF10-MW11A-5000				120ml	VOA	3	HCl		X							
				2L	Amber	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	Poly	1	HNO_3							X		
				500ml		1	H_2SO_4								X	
				250ml		1	NaOH									X
TB-103000	10/30/00	0900	Trip Blank	80ml	VOA	2	4°C									

Special Instructions:

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/30/00	1800	1. Received By: Fedex	10/30/00	1800
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

Quanterra

QUA-4124

Client	Project Manager	Date	Chain Of Custody Number
IT Corporation	Joe Tybulski		12966
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11499 Chester Rd.	513 782 4700 513 782 4749	(330) 966-9789	
City / State / Zip Code	**Site Contact**		
Cincy / OH / 45246	Gina Plamondon		
Project Name	**Carrier/Waybill Number**		
WPAFB	FEDEX # 820967086508		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	Oil & Grease	COD	TSS & pH	Total Metals	SVOC	Dioxin/Furan	Pesticide/PCB	Ammonia	Cyanide	Bromo Extractable
WP-LF8/10-LW1000-1000	10/31/00	0830	Gndwtr	120ml	VOA	3	HCl		X										
				1L	Amber	1	H_2SO_4			X									
				250ml	Poly	1	H_2SO_4				X								
				250ml	Poly	1	4°C					X							
				1L	Poly	1	HNO_3						X						
WP-02-DM-830-M-1000		1020		120ml	VOA	3	HCl		X										
				2L	Amber	2	4°C							X					
				2L		2									X				
				1L		1										X			
				1L		1												X	
				1L	Poly	1	HNO_3						X						
				500ml		1	H_2SO_4										X		
				250ml		1	NaOH											X	
TB-103100		0800		80ml	VOA	2	HCl												

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: Gina Plamondon	10/31/00	1500	1. Received By: FedEx	10/31/00	1500
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tyburski	Date: 10-31-00	Chain Of Custody Number: 12965
Address: 11499 Chester Rd.	Telephone Number (Area Code)/Fax Number: 513 782 4700 513 782 4749	Lab Number: (330) 966-9789	Page 1 of 1
City: Cincy; State: OH; Zip Code: 45246	Site Contact: Greg Hammondon		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX 820967086508		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	Dioxin/Furan	Total Metals	Pesticides/PCB's	Ammonia	Cyanide	Extra Extractable				
WP-02-DM-83D-M-5000	10/31/00	1020	Groundwtr	120ml	VOA	3	HCl		X											
				2L	Amber	2	4°C			X										
				2L		2					X									
				1L		1							X							
				1L		1										X				
				1L	Poly	1	HNO_3					X								
				500ml		1	H_2SO_4							X						
				250ml		1	NaOH								X					
WP-02-DM-83S-1000	10/31/00	1130	Groundwater	120ml	VOA	3	HCl		X											
				2L	Amber	2	4°C			X										
				2L		2	4°C				X									
				1L		1	4°C						X							
				1L		1	4°C									X				
				1L	Poly	1	HNO_3					X								
				500ml		1	H_2SO_4							X						
				250ml		1	NaOH								X					

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☑ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/31/00	1500	1. Received By: FedEx	10/31/00	1500
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/31/00	Chain Of Custody Number: 14695
Address: 11499 CHESTER ROAD	Telephone Number (Area Code)/Fax Number: (513) 782 4700 / (513) 782 4749	Lab Number:	Page 1 of 1
City: CINCINNATI; State: OH; Zip Code: 45246	Site Contact: GREG PLAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX: 8209670865		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	DIOXIN/FURAN	PEST/PCB	EXTRA EXTRACT	TAL METALS	AMMONIA	CYANIDE
LIM-CW05-055-1000	10/31/00	1000	GROUNDWATER	120 ml	VOA	3	HCl		X							
WP-01-DM102S-M-1000	10/31/00	1225	GROUNDWATER	120 ml	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO_3							X		
				500 ml		1	H_2SO_4								X	
WP-01-DM102S-M-1000	10/31/00	1225	GROUNDWATER	250 ml		1	NaOH									X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

1. Relinquished By: [signature]	Date: 10/31/00	Time: 1800	1. Received By: FEDEX	Date: 10/31/00	Time: 1800
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client	Project Manager	Date	Chain Of Custody Number
IT Corporation	Joe Tyburski		12958

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page ___ of ___
11499 Chester Rd.	513 782-4700 513 782-4749	(330) 966-9789	

City	State	Zip Code	Site Contact
Cincy	OH	45246	Greg Plamondon

Project Name	Carrier/Waybill Number
WPAFB	FEDEX #

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC	SVOC	Dioxan/Furan	Pesticides/PCB's	Extra Extractable	TAL Metals	Ammonia	Cyanide
LTM-HD-13S-1000	11/1/00	0930	Gnd wtr	120 ml	VOA	3	HCl		X							
LTM-HD-13S-AMB01		0910	Ambient						X							
LTM-HD-13D-1000G		1015	Gnd wtr						X							
LTM-MW131S-1000		1130							X							
LTM-MW131M-1000	11/2/00	0912	Groundwater	120 ml	VOA	3	HCl		X							
LTM-MW131M-5000	11/2/00	0912				1			X							
LTM-CW09-060-1000	11/2/00	1030	Groundwater	120 ml	VOA	3	HCl		X							
WP-LF08-MW05B-1000	11/2/00	1155	Groundwater	120 ml	VOA	3	HCl		X							
				2 L	Amber	2	4°C			X						
				2 L	Amber	2	4°C				X					
				1 L	Amber	1	4°C					X				
				1 L	Amber	1	4°C						X			
				1 L	Poly	1	HNO_3							X		
				500 ml	Poly	1	H_2SO_4								X	
				250 ml	Poly	1	NaOH									X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ___ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	11/2/00	1500	1. Received By: FedEx	11/2/00	1500
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

C-2

OU1 Groundwater Analytical Data: July

Analytical Legend

AMB – Ambient
B (or MBB, MBD) - Method blank contamination present
D - Diluted sample analytical results
DUP - Duplicate
EW – Extraction Well
E - Estimated result. Concentration exceeds the calibration range
I - Quantification suspect due to matrix interference
IW – Insufficient Water
J – Estimated Result. Result less than Reporting Limit
L – Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present
LCS – Laboratory Control Sample
LF – Landfill
LW – Line Water
mg/L – milligrams/Liter
µg/L – micrograms/Liter
MW – Monitoring Well
N – Spiked analyte recovery is outside stated control limits
NA - Not Applicable
ND – Not Detected
NR – Not Reported
pg/L – picograms/Liter
Q - Estimated maximum possible concentration
RB – Rinsate Blank
R2 – Indicates second re-extraction analysis run was required due to surrogate recoveries outside of acceptance criteria on the initial sample run or that analytical results presented are for a diluted sample due to high target analytes.
T or TB – Trip Blank

-- – Not Analyzed
= – Confirmed detection
( ) – Result exceeds MCL value
[ ] – Result exceeds background value

CASE NARRATIVE
A0H010198

The following report contains the analytical results for ten water samples and one quality control sample submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB-OU1 Quarterly Site. The samples were received July 29, 2000, according to documented sample acceptance procedures.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the coolers upon sample receipt was 1.3 and 1.7° C. The samples were received in wet ice.

See STL's Cooler Receipt Form for additional information.

GC/MS VOLATILES

The pH of the sample TRIP BLANK was greater than 2. The sample was analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.

METALS

Serial dilution of a sample in this lot indicates that physical and chemical interferences were present. Refer to the sample report pages for the affected analytes.

GENERAL CHEMISTRY

The sample/sample duplicate is outside of control limits. The result is less than five times the reporting limit; therefore, no corrective action is required.

North Canton Facility

Client: ET Project: _____ Quote#: 35901

Cooler Received on: 7/29/00 Opened on: 7/29/00 by: _____ (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐ Airborne ☐ Other: _____

Cooler ☒ Safe ☐ Foam Box ☐ Client Cooler ☒ Other: _____

STL Shipper No#: See Back

1. Were custody seals on the outside of the cooler and intact? Yes ☒ No ☐
   If YES, Quantity 2 Location _____
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☒ No ☐
3. Were custody papers included inside the cooler and relinquished? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used:

Peanuts ☐ Bubble Wrap ☒ Vermiculite ☐ Foam ☐ None ☐ Other: _____

6. Cooler temperature upon receipt See Back °C (see back of form for multiple coolers/temp)

METHOD: Temperature Vial ☐ Coolant ☐ Against Bottles ☐

COOLANT: Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Were all the bottles sealed in separate plastic bags? Yes ☐ No ☒
8. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
9. Did all bottle labels and tags agree with the custody papers? Yes ☒ No ☐
10. Were samples at the correct pH? Yes ☐ No ☒ NA ☐
11. Were correct bottles used for the tests indicated? Yes ☒ No ☐
12. Were air bubbles >6 mm in any VOA vials? Yes ☒ No ☐ NA ☐
    Was a sufficient amount of sample sent in each bottle? Yes ☒ No ☐

Contacted PM DJP Date: 8/1/00 by: SDE via Voice Mail ☒ Verbal ☐ Other ☐

Concerning: Bubbles in VOAs, unpreserved metals

√	MACRO	MACRO:
	1. CHAIN OF CUSTODY	
	SR1A	Samples were received under proper custody procedures and without discrepancies.
	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred Rec'd 1 metals liter for WP-SW006-0700-GW01. Not on COC. Logged per rest of lot. SE 8/8/00
	2. SAMPLE CONDITION	
	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) _____ were received with insufficient volume
	SR2C	Sample(s) _____ were received in a broken container.
	3. SAMPLE PRESERVATION	
√	SR3A	Sample(s) WP-SW006-GW01 were further preserved in sample receiving to meet recommended pH level(s). WP-SW0807-0700-GW01 Both metals liters.
	SR3B	Sample(s) WP-SW-0807 were received with bubble > 6 mm in diameter (cc: PM) 2 VOA vials
	4. NCM	
	SR4A	NCM has been generated. Refer to Clouseau for details
	5. Other Anomalies (see below or back)	

Revision 13, June 19, 2000
SOP: NC-SC-0005, Sample Receiving
n:\qaqc\narrativ\stl\cooler_stl.doc

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
WP-EW1024-GW01	<2	7/29/00	SS
0803-GW01	<2		
1001-GW01	<2		
1001 GW51	<2		
1006 GW01	<2		
0816 GW01	<2 <2 <2		
0811 GW01	<2		
0807 GW01	<2		
0803 RB01	<2		
LF 8/10-LW0700	<2 <2 <2		

Cooler	Temp	Method	Comments
Client cooler	1.3	Temp vial	wet ice
H27	1.7		

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

Revision 13, June 19, 2000
SOP: NC-SC-0005, Sample Receiving
n:\qaqc\narrative\stl\cooler_stl.doc

ANALYTICAL METHODS SUMMARY

A0H010198

PARAMETER	ANALYTICAL METHOD
pH (Electrometric)	MCAWW 150.1
Chemical Oxygen Demand	MCAWW 410.1
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Non-Filterable Residue (TSS)	MCAWW 160.2
Oil & Grease (Gravimetric)	MCAWW 413.1
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A0H010198

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DH5P2	001	WP-EW1024-0700-GW01	07/27/00	13:15
DH5PL	002	WP-EW0803-0700-GW01	07/27/00	14:30
DH5PQ	003	WP-EW1001-0700-GW01	07/27/00	10:40
DH5PT	004	WP-EW1001-0700-GW51	07/27/00	10:42
DH5PW	005	WP-EW1006-0700-GW01	07/27/00	11:11
DH5Q3	006	WP-EW0816-0700-GW01	07/27/00	13:50
DH5QE	007	WP-EW0812-0700-GW01	07/27/00	14:25
DH5QL	008	WP-EW0807-0700-GW01	07/27/00	14:45
DH5QQ	009	WP-EW0803-0700-RB01	07/27/00	14:45
DH5QT	010	WP-LF8/10-LW0700	07/28/00	09:30
DH5R9	011	TRIP BLANK	07/28/00	11:45

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Wright-Patterson AFB
July 2000 OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-EW0803-0700-GW01		WP-EW0803-0700-RB01		WP-EW0807-0700-GW01		WP-EW0812-0700-GW01		WP-EW0816-0700-GW01	
Sample Date		07/27/00		07/27/00		07/27/00		07/27/00		07/27/00	
METAL											
Aluminum	(mg/L)	ND		ND		0.43	=	ND		2.6	=
Arsenic	(mg/L)	0.045	=	ND		0.045	=	0.12	=	0.023	=
Barium	(mg/L)	0.95	=	ND		1.0	=	1.3	=	1.0	=
Cadmium	(mg/L)	ND		ND		ND		ND		ND	
Calcium	(mg/L)	84.7	=	ND		144	=	176	=	242	=
Copper	(mg/L)	ND		ND		0.054	=	ND		ND	
Iron	(mg/L)	18.5	=	ND		90.4	=	21.2	=	21.7	=
Magnesium	(mg/L)	65.4	=	ND		84.4	=	95.4	=	122	=
Manganese	(mg/L)	0.11	=	ND		0.14	=	0.077	=	1.0	=
Nickel	(mg/L)	ND		ND		ND		ND		0.058	=
Potassium	(mg/L)	26.9	=	ND		9.2	=	10.6	=	5.4	=
Sodium	(mg/L)	76.2	=	ND		195	=	209	=	242	=
Zinc	(mg/L)	0.098	=	ND		0.74	=	ND		0.023	=
VOC											
2-Butanone	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	ND		ND		ND		ND		ND	
Benzene	(ug/L)	ND		ND		ND		ND		2.8	=
Bromodichloromethane	(ug/L)	ND		4.9	=	ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		29	=
Chloroform	(ug/L)	ND		34	=	ND		ND		ND	
Dibromochloromethane	(ug/L)	ND		1.0	=	ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	1.1	=	1.2	=	1.5	=	1.2	=	ND	
Toluene	(ug/L)	ND		ND		ND		ND		ND	
Vinyl chloride	(ug/L)	ND		ND		ND		(2.0)	=	(15)	=
Xylenes (total)	(ug/L)	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		(70)	=
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		1.3	=

Wright-Patterson AFB
July 2000 OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-EW1001-0700-GW01		WP-EW1001-0700-GW51		WP-EW1006-0700-GW01		WP-EW1024-0700-GW01		TRIP BLANK	
Sample Date		07/27/00		07/27/00		07/27/00		07/27/00		07/28/00	
METAL											
Aluminum	(mg/L)	0.48	=	ND		0.42	=	ND		--	
Arsenic	(mg/L)	2.0	=	0.38	=	0.012	=	ND		--	
Barium	(mg/L)	2.8	=	1.0	=	0.65	=	0.35	=	--	
Cadmium	(mg/L)	0.0050	=	ND		ND		ND		--	
Calcium	(mg/L)	211	=	196	=	197	=	142	=	--	
Copper	(mg/L)	ND		ND		ND		ND		--	
Iron	(mg/L)	(379)	=	113	=	29.5	=	9.5	=	--	
Magnesium	(mg/L)	67.7	=	68.0	=	147	=	52.2	=	--	
Manganese	(mg/L)	0.29	=	0.27	=	0.091	=	0.15	=	--	
Nickel	(mg/L)	ND		ND		0.045	=	ND		--	
Potassium	(mg/L)	ND		ND		77.2	=	ND		--	
Sodium	(mg/L)	104	=	106	=	270	=	43.3	=	--	
Zinc	(mg/L)	ND		ND		0.076	=	0.17	L	--	
VOC											
2-Butanone	(ug/L)	ND		ND		58	=	ND		ND	
Acetone	(ug/L)	ND		ND		46	=	ND		ND	
Benzene	(ug/L)	1.5	=	1.5	=	(70)	=	ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		4.5	=
Chlorobenzene	(ug/L)	7.8	=	6.9	=	24	=	ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		32	=
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	4.5	=	4.2	=	24	=	ND		ND	
Methylene chloride	(ug/L)	1.4	=	1.3	=	ND		1.0	=	ND	
Toluene	(ug/L)	ND		ND		9.7	=	ND		ND	
Vinyl chloride	(ug/L)	ND		ND		ND		ND		ND	
Xylenes (total)	(ug/L)	5.2	=	3.1	=	99	=	ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

-- = Not Applicable or Not Detected, ()=Result Exceeds MCL Value, [ ]=Result Exceeds Background Value→

Wright-Patterson AFB
July 2000 LF8/10 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF8/10-LW0700	
Sample Date		07/28/00	
E150.1			
pH (liquid)	(No Units	7.6	=
E160.2			
Total Suspended Solids	(mg/L)	6.0	=
E410.1			
Chemical Oxygen Demand (COD)	(mg/L)	269	=
METAL			
Aluminum	(mg/L)	0.42	=
Arsenic	(mg/L)	0.013	=
Barium	(mg/L)	0.93	=
Calcium	(mg/L)	176	=
Copper	(mg/L)	0.055	=
Iron	(mg/L)	11.3	=
Lead	(mg/L)	0.0097	=
Magnesium	(mg/L)	81.0	=
Manganese	(mg/L)	0.29	=
Nickel	(mg/L)	0.094	=
Potassium	(mg/L)	8.0	=
Sodium	(mg/L)	176	=
Zinc	(mg/L)	0.12	=
VOC			
2-Butanone	(ug/L)	11	=
Methylene chloride	(ug/L)	1.2	=

-- = Not Applicable or Not Detected, ()=Result Exceeds MCL Value, [ ]=Result Exceeds Background Value

Wright-Patterson AFB
July 2000 OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-EW0803-0700-GW01		WP-EW0803-0700-RB01		WP-EW0807-0700-GW01		WP-EW0812-0700-GW01		WP-EW0816-0700-GW01	
Sample Date		07/27/00		07/27/00		07/27/00		07/27/00		07/27/00	
METAL											
Aluminum	(mg/L)	0.20	ND	0.20	ND	0.43	=	0.20	ND	2.6	=
Antimony	(mg/L)	0.060	ND	0.060	ND	0.060	ND	0.060	ND	0.060	ND
Arsenic	(mg/L)	0.045	=	0.010	ND	0.045	=	0.12	=	0.023	=
Barium	(mg/L)	0.95	=	0.20	ND	1.0	=	1.3	=	1.0	=
Beryllium	(mg/L)	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Cadmium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Calcium	(mg/L)	84.7	=	5.0	ND	144	=	176	=	242	=
Chromium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Cobalt	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Copper	(mg/L)	0.025	ND	0.025	ND	0.054	=	0.025	ND	0.025	ND
Iron	(mg/L)	18.5	=	0.10	ND	90.4	=	21.2	=	21.7	=
Lead	(mg/L)	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Magnesium	(mg/L)	65.4	=	5.0	ND	84.4	=	95.4	=	122	=
Manganese	(mg/L)	0.11	=	0.015	ND	0.14	=	0.077	=	1.0	=
Mercury	(mg/L)	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	(mg/L)	0.040	ND	0.040	ND	0.040	ND	0.040	ND	0.058	=
Potassium	(mg/L)	26.9	=	5.0	ND	9.2	=	10.6	=	5.4	=
Selenium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Silver	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Sodium	(mg/L)	76.2	=	5.0	ND	195	=	209	=	242	=
Thallium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Vanadium	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Zinc	(mg/L)	0.098	=	0.020	ND	0.74	=	0.020	ND	0.023	=
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	25	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	25	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	25	ND
Acetone	(ug/L)	10	ND	10	ND	10	ND	10	ND	25	ND
Benzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.8	=
Bromodichloromethane	(ug/L)	1.0	ND	4.9	=	1.0	ND	1.0	ND	2.5	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	5.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	29	=
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	5.0	ND

Wright-Patterson AFB
July 2000 OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-EW0803-0700-GW01		WP-EW0803-0700-RB01		WP-EW0807-0700-GW01		WP-EW0812-0700-GW01		WP-EW0816-0700-GW01	
Sample Date		07/27/00		07/27/00		07/27/00		07/27/00		07/27/00	
VOC											
Chloroform	(ug/L)	1.0	ND	34	=	1.0	ND	1.0	ND	2.5	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	5.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	=	1.0	ND	1.0	ND	2.5	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
Methylene chloride	(ug/L)	1.1	=	1.2	=	1.5	=	1.2	=	2.5	ND
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
Toluene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	(5.0)	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	(2.0)	=	(15)	=
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	(70)	=
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	1.3	=
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.5	ND

Wright-Patterson AFB
July 2000 OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-EW1001-0700-GW01		WP-EW1001-0700-GW51		WP-EW1006-0700-GW01		WP-EW1024-0700-GW01		TRIP BLANK	
Sample Date		07/27/00		07/27/00		07/27/00		07/27/00		07/28/00	
METAL											
Aluminum	(mg/L)	0.48	=	0.20	ND	0.42	=	0.20	ND	--	
Antimony	(mg/L)	0.060	ND	0.060	ND	0.060	ND	0.060	ND	--	
Arsenic	(mg/L)	2.0	=	0.38	=	0.012	=	0.010	ND	--	
Barium	(mg/L)	2.8	=	1.0	=	0.65	=	0.35	=	--	
Beryllium	(mg/L)	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	--	
Cadmium	(mg/L)	0.0050	=	0.0050	ND	0.0050	ND	0.0050	ND	--	
Calcium	(mg/L)	211	=	196	=	197	=	142	=	--	
Chromium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	--	
Cobalt	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	--	
Copper	(mg/L)	0.025	ND	0.025	ND	0.025	ND	0.025	ND	--	
Iron	(mg/L)	(379)	=	113	=	29.5	=	9.5	=	--	
Lead	(mg/L)	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	--	
Magnesium	(mg/L)	67.7	=	68.0	=	147	=	52.2	=	--	
Manganese	(mg/L)	0.29	=	0.27	=	0.091	=	0.15	=	--	
Mercury	(mg/L)	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	--	
Nickel	(mg/L)	0.040	ND	0.040	ND	0.045	=	0.040	ND	--	
Potassium	(mg/L)	5.0	ND	5.0	ND	77.2	=	5.0	ND	--	
Selenium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	--	
Silver	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	--	
Sodium	(mg/L)	104	=	106	=	270	=	43.3	=	--	
Thallium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	--	
Vanadium	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	--	
Zinc	(mg/L)	0.020	ND	0.020	ND	0.076	=	0.17	L	--	
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	58	=	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	25	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	25	ND	10	ND	10	ND
Acetone	(ug/L)	10	ND	10	ND	46	=	10	ND	10	ND
Benzene	(ug/L)	1.5	=	1.5	=	(70)	=	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	4.5	=
Bromoform	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	5.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	7.8	=	6.9	=	24	=	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	5.0	ND	2.0	ND	2.0	ND

Wright-Patterson AFB
July 2000 OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-EW1001-0700-GW01		WP-EW1001-0700-GW51		WP-EW1006-0700-GW01		WP-EW1024-0700-GW01		TRIP BLANK	
Sample Date		07/27/00		07/27/00		07/27/00		07/27/00		07/28/00	
VOC											
Chloroform	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	32	=
Chloromethane	(ug/L)	2.0	ND	2.0	ND	5.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	4.5	=	4.2	=	24	=	1.0	ND	1.0	ND
Methylene chloride	(ug/L)	1.4	=	1.3	=	2.5	ND	1.0	=	1.0	ND
Styrene	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	1.0	ND	1.0	ND	9.7	=	1.0	ND	1.0	ND
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	(5.0)	ND	2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	(2.5)	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	5.2	=	3.1	=	99	=	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	1.2	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	1.2	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	2.5	ND	1.0	ND	1.0	ND

-- = Not Applicable or Not Detected, ()=Result Exceeds MCL Value, [ ]=Result Exceeds Background Value→

Wright-Patterson AFB
July 2000 LF8/10 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF8/10-LW0700	
Sample Date		07/28/00	
E150.1			
pH (liquid)	(No Units	7.6	=
E160.2			
Total Suspended Solids	(mg/L)	6.0	=
E410.1			
Chemical Oxygen Demand (COD)	(mg/L)	269	=
E413.1			
Oil and Grease (Gravimetric)	(mg/L)	5.0	ND
METAL			
Aluminum	(mg/L)	0.42	=
Antimony	(mg/L)	0.060	ND
Arsenic	(mg/L)	0.013	=
Barium	(mg/L)	0.93	=
Beryllium	(mg/L)	0.0040	ND
Cadmium	(mg/L)	0.0050	ND
Calcium	(mg/L)	176	=
Chromium	(mg/L)	0.010	ND
Cobalt	(mg/L)	0.050	ND
Copper	(mg/L)	0.055	=
Iron	(mg/L)	11.3	=
Lead	(mg/L)	0.0097	=
Magnesium	(mg/L)	81.0	=
Manganese	(mg/L)	0.29	=
Mercury	(mg/L)	0.00020	ND
Molybdenum	(mg/L)	0.010	ND
Nickel	(mg/L)	0.094	=
Potassium	(mg/L)	8.0	=
Selenium	(mg/L)	0.0050	ND
Silver	(mg/L)	0.010	ND
Sodium	(mg/L)	176	=
Thallium	(mg/L)	0.010	ND
Vanadium	(mg/L)	0.050	ND
Zinc	(mg/L)	0.12	=
VOC			
1,1,1-Trichloroethane	(ug/L)	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND
2-Butanone	(ug/L)	11	=
2-Hexanone	(ug/L)	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND
Acetone	(ug/L)	10	ND
Benzene	(ug/L)	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND
Bromoform	(ug/L)	1.0	ND

Wright-Patterson AFB
July 2000 LF8/10 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF8/10-LW0700
Sample Date		07/28/00

VOC			
Bromomethane	(ug/L)	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND
Chloroethane	(ug/L)	2.0	ND
Chloroform	(ug/L)	1.0	ND
Chloromethane	(ug/L)	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND
Methylene chloride	(ug/L)	1.2	=
Styrene	(ug/L)	1.0	ND
Tetrachloroethene	(ug/L)	1.0	ND
Toluene	(ug/L)	1.0	ND
Trichloroethene	(ug/L)	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND

-- = Not Applicable or Not Detected, ()=Result Exceeds MCL Value, [ ]=Result Exceeds Background Value

C-3

OU1 Groundwater Analytical Data: October

Analytical Legend

AMB – Ambient
B (or MBB, MBD) - Method blank contamination present
D - Diluted sample analytical results
DUP - Duplicate
EW – Extraction Well
E - Estimated result. Concentration exceeds the calibration range
G – Elevated reporting limit due to matrix interference
I - Quantification suspect due to matrix interference
IW – Insufficient Water
J – Estimated Result. Result less than Reporting Limit
LCS – Laboratory Control Sample
LF – Landfill
LW – Line Water
mg/L – milligrams/Liter
µg/L – micrograms/Liter
MW – Monitoring Well
N – Spiked analyte recovery is outside stated control limits
NA - Not Applicable
ND – Not Detected
NR – Not Reported
pg/L – picograms/Liter
Q - Estimated maximum possible concentration
RB – Rinsate Blank
R2 – Indicates second re-extraction analysis run was required due to surrogate recoveries outside of acceptance criteria on the initial sample run or that analytical results presented are for a diluted sample due to high target analytes.
T or TB – Trip Blank

-- – Not Analyzed
= – Confirmed detection
( ) – Result exceeds MCL value
[ ] – Result exceeds background value

CASE NARRATIVE
A0J190264

The following report contains the analytical results for sixteen water samples submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received October 19, 2000, according to documented sample acceptance procedures.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 1.6° C. The samples were received in wet ice.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

GC/MS SEMIVOLATILES

Sample WP-LF08-MW102-1000 had up to one surrogate recovery per fraction outside acceptance limits. However, since the recovery was greater than 10% and all associated QC met criteria, no corrective action was taken.

GENERAL CHEMISTRY

Samples WP-LF08-MW102-1000 and WP-LF10-MW08A-2-1000 for the Total Cyanide in batch 0306421 were prepped within the recommended holding time. Due to analyst error, the samples were not analyzed until after the holding time had been exceeded.

SAMPLE SUMMARY

A0J190264

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DNFQ5	001	WP-LF08-MW102-1000	10/18/00	09:45
DNFTH	002	WP-LF10-MW08A-2-1000	10/18/00	10:10

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J190264

PARAMETER	ANALYTICAL METHOD
Ammonia Nitrogen	MCAWW 350.3
Dibenzodioxins and Dibenzofurans, HRGC/HRMS	SW846 8290
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
Organochlorine Pesticides	SW846 8081A
PCBs by SW-846 8082	SW846 8082
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Total Cyanide	MCAWW 335.2
Trace Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE

A0J240244

The following report contains the analytical results for four water samples submitted to STL North Canton by The IT Corporation from the WPAFB Site. The samples were received October 24, 2000, according to documented sample acceptance procedures.

Dioxin analyses were performed at STL's Knoxville, TN facility.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The samples were received at the North Canton laboratory at temperatures of 2.2, 1.8, and 1.9° C.

Samples WP-LF08-MW02C-1000 and WP-LF08-MW09A-1000 were received at the Knoxville laboratory at a temperature of 11.0° C.

GC/MS VOLATILES

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

CASE NARRATIVE (continued)

GC/MS VOLATILES (continued)

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

PESTICIDES

The laboratory control sample was recovered low and outside of criteria. All samples associated with batch 0299109 were re-extracted and reanalyzed outside of holding time. Both sets of data have been reported.

SAMPLE SUMMARY

A0J240244

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DNNLV	001	WP-LF08-MW02C-1000	10/23/00	15:30
DNNM2	002	WP-LF08-MW02A-1000	10/23/00	16:40
DNNM8	003	WP-LF08-MW09B-1000	10/23/00	14:15
DNNNC	004	WP-LF08-MW09A-1000	10/23/00	15:35

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J240244

PARAMETER	ANALYTICAL METHOD
Ammonia Nitrogen	MCAWW 350.3
Dibenzodioxins and Dibenzofurans, HRGC/HRMS	SW846 8290
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
Organochlorine Pesticides	SW846 8081A
PCBs by SW-846 8082	SW846 8082
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Total Cyanide	MCAWW 335.2
Trace Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0J250150

The following report contains the analytical results for sevem water samples submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received October 25, 2000, according to documented sample acceptance procedures.

The Dioxin/Furans analyses were performed at the STL Knoxville laboratory. A copy of their data is presented in this report.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures ranging from 0.9 to 3.8 ° C. . The samples were received in wet ice.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

CASE NARRATIVE (continued)

STL – KNOXVILLE –DIOXIN FURANS

Sample WP-LF08MW0A-1 exhibited an internal standard recovery (C13-OCDD) that was outside the QC limits. However, the method blank and laboratory control sample internal standard recoveries were acceptable indicating that the analysis was in control. Therefore, the results were attributed to matrix effects.

SAMPLE SUMMARY

A0J250150

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DNP3J	001	WP-LF08-MW08A-1000	10/24/00	14:40
DNP35	002	WP-LF08-MW08C-1000	10/24/00	14:55
DNP36	003	WP-LF08-MW08B-1000	10/24/00	11:20
DNP38	004	WP-LF08-MW08B-5000	10/24/00	11:20
DNP4D	005	WP-LF08-MW101-1000	10/24/00	10:00
DNP4E	006	WP-LF08-MW103-1000	10/24/00	12:15
DNP4F	007	TB-102400	10/24/00	09:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J250150

PARAMETER	ANALYTICAL METHOD
Ammonia Nitrogen	MCAWW 350.3
Dibenzodioxins and Dibenzofurans, HRGC/HRMS	SW846 8290
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
Organochlorine Pesticides	SW846 8081A
PCBs by SW-846 8082	SW846 8082
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Total Cyanide	MCAWW 335.2
Trace Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0J260229

The following report contains the analytical results for six water samples and one quality control sample submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received October 26, 2000, according to documented sample acceptance procedures.

The Dioxin/Furans analyses were performed at the STL Knoxville laboratory. A copy of their data is presented in this report.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures ranging from 1.9 to 4.5 ° C. . The samples were received in wet ice.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

GC/MS SEMIVOLATILES

Surrogate recoveries were outside acceptance limits in samples "WP-LF-10-MW05C-1000", "WP-LF08-MW10A-1000" due to probable matrix effect. The recoveries were >10% and the associated quality control was acceptable; therefore, no corrective action was taken.

GENERAL CHEMISTRY

Sample "WP-LF08-MW10A-1000" was analyzed past the recommended holding time due to a laboratory error.

The sample(s) had elevated reporting limits due to matrix interferences or dilution.

SAMPLE SUMMARY

A0J260229

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DNTWK	001	WP-LF10-MW06B-1000	10/25/00	10:25
DNTW3	002	WP-LF10-MW06A-1000	10/25/00	12:10
DNTW6	003	WP-LF10-MW05B-1000	10/25/00	14:40
DNTW7	004	WP-LF10-MW05C-1000	10/25/00	15:15
DNTXC	005	WP-LF08-MW10B-1000	10/25/00	09:45
DNT0W	006	WP-LF08-MW10A-1000	10/25/00	14:20
DNT03	007	TB-102500	10/25/00	09:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J260229

PARAMETER	ANALYTICAL METHOD
Ammonia Nitrogen	MCAWW 350.3
Dibenzodioxins and Dibenzofurans, HRGC/HRMS	SW846 8290
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
Organochlorine Pesticides	SW846 8081A
PCBs by SW-846 8082	SW846 8082
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Total Cyanide	MCAWW 335.2
Trace Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0J270216

The following report contains the analytical results for eight water samples and one quality control sample submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received October 27, 2000, according to documented sample acceptance procedures.

The Dioxin/Furans analyses were performed at the STL Knoxville laboratory. A copy of their data is presented in this report. The dioxin analysis for sample WP-LF10-MW08B-1000 was cancelled per Greg Plamondon of IT Corp. on October 27, 2000.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures of 2.4, 5.3, 3.9, 5.9, 4.9 and 3.2 ° C. . The samples were received in wet ice.

See STL's Cooler Receipt Form for additional information.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

DIOXINS/FURANS

The 13C-OCDD internal standard recovery of laboratory control sample DN3QJ1AC was outside QC limits. However, the 10:1 signal to noise criteria was met. The native OCDD recovery was within QC limits.

Sample WP –LF10-MW105-1000 exhibited internal standard recoveries that were outside QC limits. This was due to ion suppression occurring at the retention time of the recovery standard. However, the method blank had acceptable internal standard recoveries indicating that the analysis was in control. Therefore, the results were attributed to the matrix.

The matrix spike (WP –LF10-MW09B-1000S) exhibited a HxCDF recovery that was outside the QA/QC limits. However, the laboratory control sample met all QA/QC analyte criteria indicating that the analysis was in control. Therefore, the matrix spike result was attributed to the matrix.

Comments

Samples WP –LF10-MW09B-1000S and WP –LF10-MW07C-1000 were analyzed at a 1/5 dilution due to matrix effects.

The X qualifier on sample WP –LF10-MW09B-1000S denotes that all results were obtained from a 1/5 dilution.

North Canton Facility

Client: IT Corp. Project: _____ Quote#: 25669
Cooler Received on: 10/27/00 Opened on: 10/27/00 by: Lindsay Oprendi (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ Airborne ☐
Other: _____

Cooler ☑ Safe ☐ Foam Box ☐ Client Cooler ☐ Other: _____
STL Shipper No#: _____

1. Were custody seals on the outside of the cooler and intact? Yes ☑ No ☐
   If YES, Quantity 2 Location on each lid.
   Were the custody seals signed and dated? Yes ☑ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☑ No ☐
3. Were custody papers included inside the cooler and relinquished? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used:
Peanuts ☐ Bubble Wrap ☑ Vermiculite ☐ Foam ☐ None ☐ Other: _____
6. Cooler temperature upon receipt _____ °C (see back of form for multiple coolers/temp)
METHOD: Temperature Vial ☑ Coolant ☐ Against Bottles ☐
COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Were all the bottles sealed in separate plastic bags? Yes ☑ No ☐
8. Did all bottles arrive in good condition (Unbroken)? Yes ☑ No ☐
9. Did all bottle labels and tags agree with the custody papers? Yes ☐ No ☑
10. Were samples at the correct pH? Yes ☑ No ☐ NA ☐
11. Were correct bottles used for the tests indicated? Yes ☑ No ☐
12. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☑ NA ☐
13. Was a sufficient amount of sample sent in each bottle? Yes ☑ No ☐
Contacted PM DJP Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning: trip blank + ID discrepancy

√	MACRO	MACRO
1. CHAIN OF CUSTODY		
	SR1A	Samples were received under proper custody procedures and without discrepancies.
✓	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred Sample MW09B has 2 extra VOAs than listed on COC - OK, trip blank (2x40) not on COC - logged WP-LF10-MW07A-1000 rec double volume WP-LF10-MW07A-5000 rec no volume → see back
2. SAMPLE CONDITION		
	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) _____ were received with insufficient volume
	SR2C	Sample(s) _____ were received in a broken container.
3. SAMPLE PRESERVATION		
	SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s).
	SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
4. NCM		
	SR4A	NCM has been generated. Refer to Clouseau for details
5. Other Anomalies (see below or back)		

Revision 13, June 19, 2000
SOP: NC-SC-0005, Sample Receiving
n:\qaqc\narrative\stl\cooler_stl.doc

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
MW03A	<2 <2 >10	10/27/00	hmg
MW09B	<2 <2 <2 <2 <2 <2		
"	>12 >12 >12		
MW07A	<2 <2 <2 <2 >12 >12		
MW103	<2		
MW08B	<2 <2 >12		

Cooler	Temp	Method	Comments
J757	2.4	Wal.	
J982	5.3		
G67	3.9		
IT Corp cooler.	5.9		
J979	4.9		
F284	3.2		

Discrepancies Cont.

Macro Name: date + times same on both ID's on COC-WP-LF10-MW07A-5000 dup of

Macro Name: WP-LF10-MW07A-1000 per post-logged accordingly. - DJP aware of all anomalies -

Macro Name: TB 10-27-00.

Macro Name:

Other Anomalies:

Revision 13, June 19, 2000
SOP: NC-SC-0005, Sample Receiving
n:\qaqc\narrative\stl\cooler_stl.doc

SAMPLE SUMMARY

A0J270216

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DNX43	001	WP-LF10-MW03A-1000	10/26/00	13:25
DNX6F	002	WP-LF10-MW09B-1000	10/26/00	16:25
DNX8Q	003	WP-LF10-MW07A-1000	10/26/00	10:20
DNX8R	004	WP-LF10-MW07A-5000	10/26/00	10:20
DNX8V	005	WP-LF10-MW07C-1000	10/26/00	10:55
DNX81	006	WP-LF10-MW105-1000	10/26/00	09:40
DNX82	007	WP-LF10-MW103-1000	10/26/00	12:00
DNX9A	008	WP-LF10-MW08B-1000	10/26/00	17:00
DNX9J	009	TRIP BLANK	10/26/00	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J270216

PARAMETER	ANALYTICAL METHOD
Ammonia Nitrogen	MCAWW 350.3
Dibenzodioxins and Dibenzofurans, HRGC/HRMS	SW846 8290
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
Organochlorine Pesticides	SW846 8081A
PCBs by SW-846 8082	SW846 8082
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Total Cyanide	MCAWW 335.2
Trace Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0J280189

The following report contains the analytical results for four water samples submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received October 28, 2000, according to documented sample acceptance procedures.

The Dioxin /Furans analysis was performed at the STL Knoxville laboratory. A copy of their data is presented in this report.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures ranging from 1.7 to 2.3° C. The samples were received in wet ice.

See STL's Cooler Receipt Form for additional information.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Sample WP-02-DM-84-M-1000 had surrogate recoveries outside acceptance limits; however; the sample was ND. No corrective action was taken.

CASE NARRATIVE (continued)

STL KNOXVILLE – DIOXIN/FURANS

The 13C-OCDD internal standard recovery of laboratory control sample associated with batch 0305131 was outside QC limits. However, the 10:1 signal to noise criteria was met. The native OCDD recovery was within QC limits.

METALS

The sample(s) had elevated reporting limits due to matrix interferences or limited sample volume. Refer to the sample report pages for the affected analyte(s).

SAMPLE SUMMARY

A0J280189

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DN1TT	001	WP-02-DM-81S-M-1000	10/27/00	10:30
DN1TX	002	WP-02-DM-81S-M-1000-AMB01	10/27/00	10:30
DN1T0	003	WP-02-DM-84-M-1000	10/27/00	13:05
DN1T1	004	WP-01-004-M-1000	10/27/00	11:45
DN1T3	005	TRIP BLANKS	10/27/00	09:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J280189

PARAMETER	ANALYTICAL METHOD
Ammonia Nitrogen	MCAWW 350.3
Dibenzodioxins and Dibenzofurans, HRGC/HRMS	SW846 8290
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
Organochlorine Pesticides	SW846 8081A
PCBs by SW-846 8082	SW846 8082
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Total Cyanide	MCAWW 335.2
Trace Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0J310221

The following report contains the analytical results for eight water samples submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received November 31, 2000, according to documented sample acceptance procedures.

The Dioxin/Furans analyses were performed at the STL Knoxville laboratory. A copy of their data is presented in this report.

The Dioxin/Furans analysis was cancelled for sample WP-LF10-MW09C-1000 at the request of Greg Plamondon on October 27, 2000.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures ranging from 1.2 to 4.3° C. . The samples were received in wet ice.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

SAMPLE SUMMARY

A0J310221

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DN4X1	001	WP-LF10-MW09C-1000	10/30/00	09:25
DN40N	002	WP-LF10-MW09A-1000	10/30/00	10:29
DN40R	003	WP-LF10-MW11A-1000	10/30/00	09:25
DN40V	004	WP-LF10-MW11A-5000	10/30/00	09:25
DN402	005	TB-103000	10/30/00	09:00
DN403	006	WP-LF10-MW11B-1000	10/30/00	11:25
DN41C	007	WP-LF10-MW10C-1000	10/30/00	15:45
DN41J	008	WP-02-DM-82M-1000	10/30/00	14:29
DN41M	009	WP-02-DM-81D-M-1000	10/30/00	11:50

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J310221

PARAMETER	ANALYTICAL METHOD
Ammonia Nitrogen	MCAWW 350.3
Dibenzodioxins and Dibenzofurans, HRGC/HRMS	SW846 8290
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
Organochlorine Pesticides	SW846 8081A
PCBs by SW-846 8082	SW846 8082
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Total Cyanide	MCAWW 335.2
Trace Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0K010159

The following report contains the analytical results for five water samples and one quality control sample submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received October 26, 2000, according to documented sample acceptance procedures.

The Dioxin/Furans analyses were performed at the STL Knoxville laboratory. A copy of their data is presented in this report.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures of 1.4, 1.4 and 1.3 ° C. . The samples were received in wet ice.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

GENERAL CHEMISTRY

The sample/sample duplicate is outside of control limits for the total suspended solids analysis in batch 0307475. The result is less than five times the reporting limit; therefore, no corrective action is required.

SAMPLE SUMMARY

AOK010159

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DN6D3	001	WP-LF8/10-LW1000-1000	10/31/00	08:30
DN6EN	002	WP-02-DM-83D-M-1000	10/31/00	10:20
DN6E3	003	TB-103100	10/31/00	08:00
DN6E4	004	WP-02-DM-83D-M-5000	10/31/00	10:20
DN6FJ	005	WP-02-DM-83S-1000	10/31/00	11:30
DN6FN	006	WP-01-DM102~~S~~D-M-1000	10/31/00	12:25

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0K010159

PARAMETER	ANALYTICAL METHOD
pH (Electrometric)	MCAWW 150.1
Ammonia Nitrogen	MCAWW 350.3
Chemical Oxygen Demand	MCAWW 410.4
Dibenzodioxins and Dibenzofurans, HRGC/HRMS	SW846 8290
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
Non-Filterable Residue (TSS)	MCAWW 160.2
Oil & Grease (Gravimetric)	MCAWW 413.1
Organochlorine Pesticides	SW846 8081A
PCBs by SW-846 8082	SW846 8082
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Total Cyanide	MCAWW 335.2
Trace Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0K030192

The following report contains the analytical results for one water sample submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received November 3, 2000, according to documented sample acceptance procedures.

The Dioxin/Furans analyses were performed at the STL Knoxville laboratory. A copy of their data is presented in this report.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

Samples submitted for volatile analysis only are reported under a separate cover.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The cooler was received at a temperature of 1.3 ° C. . The samples were received in wet ice.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

METALS

The laboratory control sample was recovered high (122%) and outside the recommended criteria for mercury. The analyte was not detected in the sample. Slight positive bias is not believed to have impacted the data quality.

SAMPLE SUMMARY

A0K030192

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DPAQN	001	WP-LF08-MW05B-1000	11/02/00	11:55

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

AOK030192

PARAMETER	ANALYTICAL METHOD
Ammonia Nitrogen	MCAWW 350.3
Dibenzodioxins and Dibenzofurans, HRGC/HRMS	SW846 8290
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
Organochlorine Pesticides	SW846 8081A
PCBs by SW-846 8082	SW846 8082
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Total Cyanide	MCAWW 335.2
Trace Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-01-004-M-1000		WP-01-DM102D-M-1000		WP-02-DM-81D-M-1000		WP-02-DM-81S-M-1000		WP-02-DM-81S-M-1000-AMB01	
Sample Date		10/27/00		10/31/00		10/30/00		10/27/00		10/27/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	ND		ND		0.3	=	0.3	=	ND	
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,4,6,7,8-HpCDF	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,4,7,8-HxCDF	(pg/L)	ND		0.63	J,B	0.34	J,B,Q	ND		ND	
1,2,3,6,7,8-HxCDF	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,7,8-PeCDD	(pg/L)	ND		0.52	J,Q	ND		ND		ND	
1,2,3,7,8-PeCDF	(pg/L)	ND		ND		ND		ND		ND	
2,3,7,8-TCDD	(pg/L)	ND		ND		10	J,Q	ND		ND	
OCDD	(pg/L)	5.1	J,B,Q	7.9	J,B	2.0	J,B	5.3	J,B	ND	
OCDF	(pg/L)	ND		ND		ND		ND		ND	
Total HpCDD	(pg/L)	ND		ND		ND		ND		ND	
Total HpCDF	(pg/L)	ND		ND		ND		ND		ND	
Total HxCDF	(pg/L)	ND		0.63	J,B	0.34	J,B,Q	ND		ND	
Total PeCDD	(pg/L)	ND		0.52	J,Q	ND		ND		ND	
Total PeCDF	(pg/L)	ND		ND		ND		ND		ND	
Total TCDD	(pg/L)	ND		ND		10	J,Q	ND		ND	
Total TCDF	(pg/L)	ND		ND		ND		ND		ND	
METAL											
Aluminum	(mg/L)	ND		1.7	=	ND		ND		ND	
Arsenic	(mg/L)	16.1	=	ND		0.024	=	ND		ND	
Barium	(mg/L)	22.4	=	0.50	=	ND		0.44	=	ND	
Calcium	(mg/L)	462	=	145	=	125	=	210	=	7.3	=
Chromium	(mg/L)	ND		ND		ND		ND		ND	
Copper	(mg/L)	ND		ND		ND		ND		ND	
Iron	(mg/L)	(6910)	=	2.5	=	4.7	=	ND		ND	
Lead	(mg/L)	ND		0.0040	=	ND		ND		ND	
Magnesium	(mg/L)	ND		40.0	=	64.8	=	24.7	=	ND	
Manganese	(mg/L)	28.8	=	0.15	=	0.054	=	ND		ND	
Nickel	(mg/L)	ND		ND		ND		ND		ND	
Potassium	(mg/L)	ND		9.3	=	ND		8.5	=	ND	
Sodium	(mg/L)	ND		24.1	=	14.3	=	26.3	=	ND	
Zinc	(mg/L)	ND		ND		ND		ND		ND	
SVOC											
bis(2-Ethylhexyl) phthalate	(ug/L)	ND		ND		ND		ND		ND	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloropropane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	ND		2.2	J,B	1.1	J,B	6.9	J	ND	
Benzene	(ug/L)	0.43	J	ND		ND		ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		3.2	=
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		21	=

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-01-004-M-1000		WP-01-DM102D-M-1000		WP-02-DM-81D-M-1000		WP-02-DM-81S-M-1000		WP-02-DM-81S-M-1000-AMB01	
Sample Date		10/27/00		10/31/00		10/30/00		10/27/00		10/27/00	
VOC											
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		0.84	J
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	0.60	J	ND		ND		0.44	J	0.81	J
Toluene	(ug/L)	1.8	=	0.14	J	0.16	J	0.16	J	0.25	J
Trichloroethene	(ug/L)	ND		ND		ND		ND		ND	
Vinyl chloride	(ug/L)	ND		ND		ND		ND		ND	
Xylenes (total)	(ug/L)	0.93	J	ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-02-DM-82M-1000		WP-02-DM-83D-M-1000		WP-02-DM-83D-M-5000		WP-02-DM-83S-1000		WP-02-DM-84-M-1000	
Sample Date		10/30/00		10/31/00		10/31/00		10/31/00		10/27/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.4	=	0.2	=	ND		ND		0.4	=
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	ND		ND		ND		2.7	J	ND	
1,2,3,4,6,7,8-HpCDF	(pg/L)	ND		ND		ND		0.94	J	ND	
1,2,3,4,7,8-HxCDF	(pg/L)	0.40	J,B	ND		ND		ND		ND	
1,2,3,6,7,8-HxCDF	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,7,8-PeCDD	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,7,8-PeCDF	(pg/L)	ND		ND		ND		ND		ND	
2,3,7,8-TCDD	(pg/L)	ND		4.1	J,Q	ND		ND		ND	
OCDD	(pg/L)	3.5	J,B	1.9	J,B,Q	4.4	J,B	37	J,B	4.8	J,B,Q
OCDF	(pg/L)	ND		ND		1.0	J,B,Q	ND		ND	
Total HpCDD	(pg/L)	ND		ND		ND		5.1	J	ND	
Total HpCDF	(pg/L)	ND		ND		0.81	J,Q	0.94	J	ND	
Total HxCDF	(pg/L)	0.40	J,B	ND		ND		0.92	J,S	ND	
Total PeCDD	(pg/L)	0.69	J,Q	1.1	J,Q	ND		0.88	J,Q	ND	
Total PeCDF	(pg/L)	ND		ND		ND		1.4	J,Q	ND	
Total TCDD	(pg/L)	ND		4.1	J,Q	ND		ND		ND	
Total TCDF	(pg/L)	ND		ND		ND		ND		ND	
METAL											
Aluminum	(mg/L)	ND		ND		ND		5.8	=	ND	
Arsenic	(mg/L)	ND		ND		ND		ND		0.046	=
Barium	(mg/L)	0.45	=	ND		ND		0.38	=	0.46	=
Calcium	(mg/L)	90.2	=	83.1	=	81.8	=	260	=	139	=
Chromium	(mg/L)	ND		ND		ND		0.040	=	ND	
Copper	(mg/L)	ND		ND		ND		ND		ND	
Iron	(mg/L)	0.19	=	ND		ND		8.1	=	21.5	=
Lead	(mg/L)	ND		ND		ND		0.0090	=	ND	
Magnesium	(mg/L)	41.3	=	41.1	=	40.6	=	88.1	=	71.3	=
Manganese	(mg/L)	0.60	=	0.39	=	0.38	=	2.4	=	0.12	=
Nickel	(mg/L)	ND		ND		ND		0.10	=	ND	
Potassium	(mg/L)	ND		ND		ND		6.0	=	6.8	=
Sodium	(mg/L)	10.4	=	12.1	=	11.8	=	76.2	=	22.6	=
Zinc	(mg/L)	ND		ND		ND		0.058	=	ND	
SVOC											
bis(2-Ethylhexyl) phthalate	(ug/L)	28	=	ND		ND		ND		ND	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		31	=	ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		62	=	ND	
1,1-Dichloroethene	(ug/L)	ND		ND		ND		3.4	=	ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		0.39	J	ND	
1,2-Dichloropropane	(ug/L)	ND		ND		ND		0.40	J	ND	
Acetone	(ug/L)	1.4	J,B	1.3	J,B	ND		3.6	J,B	ND	
Benzene	(ug/L)	ND		ND		ND		0.56	J	0.79	J
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-02-DM-82M-1000		WP-02-DM-83D-M-1000		WP-02-DM-83D-M-5000	WP-02-DM-83S-1000		WP-02-DM-84-M-1000	
Sample Date		10/30/00		10/31/00		10/31/00	10/31/00		10/27/00	
VOC										
Dibromochloromethane	(ug/L)	ND		ND		ND	ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND	ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND	ND		ND	
Methylene chloride	(ug/L)	0.23	J,B	0.22	J	ND	0.82	J	0.51	J
Toluene	(ug/L)	ND		ND		ND	ND		ND	
Trichloroethene	(ug/L)	ND		ND		ND	ND		ND	
Vinyl chloride	(ug/L)	ND		ND		ND	(6.6)	=	ND	
Xylenes (total)	(ug/L)	ND		ND		ND	ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND		ND	4.5	=	0.27	J
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND	0.34	J	ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW02A-1000		WP-LF08-MW02C-1000		WP-LF08-MW05B-1000		WP-LF08-MW08A-1000		WP-LF08-MW08B-1000	
Sample Date		10/23/00		10/23/00		11/02/00		10/24/00		10/24/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.8	=	0.9	=	ND		0.9	=	0.8	=
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,4,6,7,8-HpCDF	(pg/L)	ND		ND		0.43	J,Q	ND		ND	
1,2,3,4,7,8-HxCDF	(pg/L)	ND		ND		0.80	J,B	ND		ND	
1,2,3,6,7,8-HxCDF	(pg/L)	ND		ND		0.59	J,B	ND		ND	
1,2,3,7,8-PeCDD	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,7,8-PeCDF	(pg/L)	ND		ND		0.56	J,Q	ND		ND	
2,3,7,8-TCDD	(pg/L)	ND		ND		ND		ND		ND	
OCDD	(pg/L)	2.3	J,B,Q	6.1	J,B	2.2	J,B,Q	ND		4.2	J,B
OCDF	(pg/L)	ND		ND		ND		ND		ND	
Total HpCDD	(pg/L)	ND		ND		ND		ND		ND	
Total HpCDF	(pg/L)	ND		ND		0.43	J,Q	ND		ND	
Total HxCDF	(pg/L)	ND		ND		1.4	J,B	ND		ND	
Total PeCDD	(pg/L)	ND		ND		ND		ND		ND	
Total PeCDF	(pg/L)	ND		ND		0.56	J,Q	ND		ND	
Total TCDD	(pg/L)	ND		ND		ND		ND		ND	
Total TCDF	(pg/L)	ND		ND		ND		ND		ND	
METAL											
Aluminum	(mg/L)	ND		ND		0.29	=	ND		ND	
Arsenic	(mg/L)	ND		0.019	=	ND		0.13	=	0.014	=
Barium	(mg/L)	0.87	=	0.74	=	0.33	=	0.70	=	0.52	=
Calcium	(mg/L)	92.4	=	127	=	100	=	86.6	=	80.9	=
Chromium	(mg/L)	ND		ND		ND		ND		ND	
Copper	(mg/L)	ND		ND		ND		ND		ND	
Iron	(mg/L)	7.8	=	5.4	=	1.7	=	9.3	=	1.6	=
Lead	(mg/L)	ND		ND		ND		ND		ND	
Magnesium	(mg/L)	40.6	=	56.8	=	56.1	=	40.6	=	39.6	=
Manganese	(mg/L)	0.11	=	0.054	=	0.14	=	0.14	=	0.17	=
Nickel	(mg/L)	ND		ND		ND		ND		ND	
Potassium	(mg/L)	8.8	=	ND		5.7	=	ND		ND	
Sodium	(mg/L)	137	=	33.2	=	17.0	=	12.0	=	11.5	=
Zinc	(mg/L)	ND		ND		ND		ND		ND	
SVOC											
bis(2-Ethylhexyl) phthalate	(ug/L)	ND		ND		ND		ND		ND	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloropropane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	1.2	J,B	1.4	J,B	1.5	J,B	2.0	J,B	1.2	J,B
Benzene	(ug/L)	ND		ND		0.17	J	ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW02A-1000		WP-LF08-MW02C-1000		WP-LF08-MW05B-1000		WP-LF08-MW08A-1000		WP-LF08-MW08B-1000	
Sample Date		10/23/00		10/23/00		11/02/00		10/24/00		10/24/00	
VOC											
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	0.55	J	0.46	J	0.20	J	0.81	J,B	0.39	J,B
Toluene	(ug/L)	ND		ND		0.19	J	ND		ND	
Trichloroethene	(ug/L)	ND		ND		0.40	J	ND		ND	
Vinyl chloride	(ug/L)	ND		ND		0.38	J	ND		ND	
Xylenes (total)	(ug/L)	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND		0.44	J	ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW08B-5000		WP-LF08-MW08C-1000		WP-LF08-MW09A-1000		WP-LF08-MW09B-1000		WP-LF08-MW101-1000	
Sample Date		10/24/00		10/24/00		10/23/00		10/23/00		10/24/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.7	=	ND		0.5	=	ND		0.6	=
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	ND		ND		ND		ND		3.9	J,Q
1,2,3,4,6,7,8-HpCDF	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,4,7,8-HxCDF	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,6,7,8-HxCDF	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,7,8-PeCDD	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,7,8-PeCDF	(pg/L)	ND		ND		ND		ND		ND	
2,3,7,8-TCDD	(pg/L)	ND		2.2	J,Q	ND		ND		ND	
OCDD	(pg/L)	7.7	J,B	13	J,B	2.2	J,B,Q	11	J,B,Q	57	J,B
OCDF	(pg/L)	ND		ND		ND		ND		4.1	J,B,Q
Total HpCDD	(pg/L)	ND		ND		ND		ND		13	J,Q
Total HpCDF	(pg/L)	ND		ND		ND		ND		1.5	J,Q
Total HxCDF	(pg/L)	ND		ND		ND		ND		0.61	J,Q
Total PeCDD	(pg/L)	ND		ND		ND		ND		ND	
Total PeCDF	(pg/L)	ND		ND		ND		ND		2.8	J,Q
Total TCDD	(pg/L)	ND		2.2	J	ND		ND		ND	
Total TCDF	(pg/L)	ND		ND		ND		ND		5.9	J,Q
METAL											
Aluminum	(mg/L)	ND		0.71	=	ND		ND		2.9	=
Arsenic	(mg/L)	0.017	=	ND		ND		ND		ND	
Barium	(mg/L)	0.52	=	0.31	=	0.20	=	0.22	=	ND	
Calcium	(mg/L)	79.1	=	146	=	82.3	=	158	=	74.0	=
Chromium	(mg/L)	ND		ND		ND		ND		ND	
Copper	(mg/L)	ND		ND		ND		ND		ND	
Iron	(mg/L)	1.8	=	0.83	=	0.17	=	ND		6.8	=
Lead	(mg/L)	ND		ND		ND		ND		0.0083	=
Magnesium	(mg/L)	39.8	=	102	=	36.7	=	59.4	=	23.1	=
Manganese	(mg/L)	0.16	=	0.13	=	0.025	=	ND		0.17	=
Nickel	(mg/L)	ND		ND		ND		ND		ND	
Potassium	(mg/L)	ND		ND		7.3	=	ND		9.2	=
Sodium	(mg/L)	11.6	=	20.7	=	39.7	=	12.4	=	9.3	=
Zinc	(mg/L)	ND		ND		ND		ND		0.45	=
SVOC											
bis(2-Ethylhexyl) phthalate	(ug/L)	ND		ND		9.2	J	ND		ND	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloropropane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	1.3	J,B	1.2	J,B	1.5	J,B	1.7	J,B	1.9	J,B
Benzene	(ug/L)	ND		ND		1.8	=	ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW08B-5000		WP-LF08-MW08C-1000		WP-LF08-MW09A-1000		WP-LF08-MW09B-1000		WP-LF08-MW101-1000	
Sample Date		10/24/00		10/24/00		10/23/00		10/23/00		10/24/00	
VOC											
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		0.82	J	ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	0.40	J,B	0.31	J,B	0.37	J	0.30	J	0.33	J,B
Toluene	(ug/L)	ND		0.13	J	6.4	=	0.27	J	0.15	J
Trichloroethene	(ug/L)	ND		ND		ND		ND		ND	
Vinyl chloride	(ug/L)	ND		ND		ND		ND		ND	
Xylenes (total)	(ug/L)	ND		ND		4.9	=	ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW102-1000		WP-LF08-MW103-1000		WP-LF08-MW10A-1000		WP-LF08-MW10B-1000		WP-LF10-MW03A-1000	
Sample Date		10/18/00		10/24/00		10/25/00		10/25/00		10/26/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.6	=	0.5	=	2.6	=	ND		0.2	=
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	ND		1.7	J,Q	ND		ND		1.5	J
1,2,3,4,6,7,8-HpCDF	(pg/L)	ND		ND		ND		ND		0.67	J,Q
1,2,3,4,7,8-HxCDF	(pg/L)	ND		ND		0.47	J	ND		ND	
1,2,3,6,7,8-HxCDF	(pg/L)	ND		ND		ND		ND		0.58	J,Q
1,2,3,7,8-PeCDD	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,7,8-PeCDF	(pg/L)	ND		ND		ND		ND		ND	
2,3,7,8-TCDD	(pg/L)	ND		ND		ND		ND		ND	
OCDD	(pg/L)	3.6	J,B	23	J,B	4.1	J,B	4.9	J,B	14	J,B
OCDF	(pg/L)	ND		ND		ND		ND		3.3	J,Q
Total HpCDD	(pg/L)	ND		1.7	=	ND		ND		2.4	J,Q
Total HpCDF	(pg/L)	ND		ND		ND		ND		0.72	J,Q
Total HxCDF	(pg/L)	ND		ND		0.47	J	ND		0.58	J,Q
Total PeCDD	(pg/L)	ND		ND		ND		ND		ND	
Total PeCDF	(pg/L)	ND		ND		ND		ND		ND	
Total TCDD	(pg/L)	ND		ND		ND		ND		ND	
Total TCDF	(pg/L)	ND		ND		ND		ND		ND	
METAL											
Aluminum	(mg/L)	ND		ND		ND		ND		4.8	=
Arsenic	(mg/L)	0.011	=	ND		0.034	=	ND		ND	
Barium	(mg/L)	ND		0.49	=	0.74	=	0.27	=	0.24	=
Calcium	(mg/L)	62.7	=	54.7	=	72.1	=	182	=	150	=
Chromium	(mg/L)	ND		ND		ND		ND		0.021	=
Copper	(mg/L)	ND		ND		ND		ND		0.034	=
Iron	(mg/L)	2.4	=	1.1	=	2.4	=	1.5	=	7.5	=
Lead	(mg/L)	ND		ND		ND		ND		0.0099	=
Magnesium	(mg/L)	24.4	=	23.8	=	38.3	=	89.5	=	58.9	=
Manganese	(mg/L)	0.023	=	0.018	=	0.016	=	0.32	=	0.25	=
Nickel	(mg/L)	ND		ND		ND		ND		ND	
Potassium	(mg/L)	ND		5.7	=	ND		ND		17.0	=
Sodium	(mg/L)	5.6	=	15.9	=	39.5	=	109	=	37.9	=
Zinc	(mg/L)	0.11	=	0.19	=	ND		ND		ND	
SVOC											
bis(2-Ethylhexyl) phthalate	(ug/L)	ND		ND		ND		ND		2.2	J
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		11	=	ND	
1,1-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		0.46	J	ND	
1,2-Dichloropropane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	1.8	J,B	1.4	J,B	1.0	J,B	1.2	J,B	1.6	J,B
Benzene	(ug/L)	ND		ND		ND		ND		0.36	J,B
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW102-1000		WP-LF08-MW103-1000		WP-LF08-MW10A-1000		WP-LF08-MW10B-1000		WP-LF10-MW03A-1000	
Sample Date		10/18/00		10/24/00		10/25/00		10/25/00		10/26/00	
VOC											
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	ND		0.33	J,B	0.25	J	0.38	J	0.30	J,B
Toluene	(ug/L)	0.29	J	0.19	J	0.20	J	0.24	J	0.14	J
Trichloroethene	(ug/L)	ND		ND		ND		ND		ND	
Vinyl chloride	(ug/L)	ND		ND		ND		(8.2)	=	ND	
Xylenes (total)	(ug/L)	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND		ND		1.1	=	ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		0.11	J	ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW05B-1000		WP-LF10-MW05C-1000		WP-LF10-MW06A-1000		WP-LF10-MW06B-1000		WP-LF10-MW07A-1000	
Sample Date		10/25/00		10/25/00		10/25/00		10/25/00		10/26/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.3	=	0.7	=	0.7	=	ND		0.2	=
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,4,6,7,8-HpCDF	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,4,7,8-HxCDF	(pg/L)	ND		ND		0.56	J	ND		ND	
1,2,3,6,7,8-HxCDF	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,7,8-PeCDD	(pg/L)	ND		ND		ND		ND		ND	
1,2,3,7,8-PeCDF	(pg/L)	ND		ND		ND		ND		ND	
2,3,7,8-TCDD	(pg/L)	ND		1.5	J,Q	ND		ND		ND	
OCDD	(pg/L)	7.7	J,B	15	J,B	8.9	J,B	5.8	J,B	2.7	J,B
OCDF	(pg/L)	ND		ND		ND		1.5	J,B	ND	
Total HpCDD	(pg/L)	ND		1.5	J,Q	ND		ND		ND	
Total HpCDF	(pg/L)	ND		ND		ND		ND		ND	
Total HxCDF	(pg/L)	ND		ND		0.56	J	ND		ND	
Total PeCDD	(pg/L)	ND		ND		ND		ND		ND	
Total PeCDF	(pg/L)	ND		ND		ND		ND		ND	
Total TCDD	(pg/L)	ND		1.5	J	ND		ND		ND	
Total TCDF	(pg/L)	ND		ND		ND		ND		ND	
METAL											
Aluminum	(mg/L)	ND		4.6	=	ND		ND		ND	
Arsenic	(mg/L)	ND		ND		ND		ND		0.012	=
Barium	(mg/L)	0.62	=	0.20	=	ND		ND		0.35	=
Calcium	(mg/L)	78.5	=	200	=	79.4	=	96.9	=	108	=
Chromium	(mg/L)	ND		ND		ND		ND		ND	
Copper	(mg/L)	ND		ND		ND		ND		ND	
Iron	(mg/L)	0.21	=	9.9	=	0.14	=	0.88	=	3.7	=
Lead	(mg/L)	ND		0.0034	=	ND		0.0037	=	ND	
Magnesium	(mg/L)	34.7	=	64.4	=	36.3	=	54.5	=	48.4	=
Manganese	(mg/L)	0.019	=	0.45	=	ND		0.17	=	0.068	=
Nickel	(mg/L)	ND		ND		ND		ND		ND	
Potassium	(mg/L)	10	=	ND		14.8	=	ND		ND	
Sodium	(mg/L)	40.5	=	17.0	=	7.5	=	8.1	=	13.6	=
Zinc	(mg/L)	ND		ND		ND		ND		ND	
SVOC											
bis(2-Ethylhexyl) phthalate	(ug/L)	ND		ND		ND		ND		ND	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloropropane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	1.1	J,B	0.91	J,B	1.1	J,B	1.0	J,B	1.2	J,B
Benzene	(ug/L)	ND		ND		ND		ND		0.23	J,B
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW05B-1000		WP-LF10-MW05C-1000		WP-LF10-MW06A-1000		WP-LF10-MW06B-1000		WP-LF10-MW07A-1000
Sample Date		10/25/00		10/25/00		10/25/00		10/25/00		10/26/00
VOC										
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND
Methylene chloride	(ug/L)	0.26	J	0.32	J	0.24	J	0.28	J	ND
Toluene	(ug/L)	ND		ND		0.21	J	ND		ND
Trichloroethene	(ug/L)	ND		ND		ND		ND		ND
Vinyl chloride	(ug/L)	ND		ND		ND		ND		ND
Xylenes (total)	(ug/L)	ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW07A-5000		WP-LF10-MW07C-1000		WP-LF10-MW08A-2-1000		WP-LF10-MW08B-1000		WP-LF10-MW09A-1000	
Sample Date		10/26/00		10/26/00		10/18/00		10/26/00		10/30/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	ND		IW		ND		ND		ND	
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	0.46	J,Q	ND		ND		--		ND	
1,2,3,4,6,7,8-HpCDF	(pg/L)	ND		ND		ND		--		ND	
1,2,3,4,7,8-HxCDF	(pg/L)	ND		ND		ND		--		0.42	J,B
1,2,3,6,7,8-HxCDF	(pg/L)	ND		ND		ND		--		ND	
1,2,3,7,8-PeCDD	(pg/L)	ND		ND		ND		--		ND	
1,2,3,7,8-PeCDF	(pg/L)	ND		ND		ND		--		ND	
2,3,7,8-TCDD	(pg/L)	ND		ND		ND		--		ND	
OCDD	(pg/L)	3.0	J,B	24	J,B,Q	6.3	J,B	--		4.6	J,B
OCDF	(pg/L)	ND		ND		ND		--		1.3	J,B,Q
Total HpCDD	(pg/L)	ND		ND		ND		--		ND	
Total HpCDF	(pg/L)	ND		ND		ND		--		ND	
Total HxCDF	(pg/L)	ND		ND		ND		--		0.42	J,B
Total PeCDD	(pg/L)	ND		ND		ND		--		ND	
Total PeCDF	(pg/L)	ND		ND		ND		--		ND	
Total TCDD	(pg/L)	ND		ND		ND		--		ND	
Total TCDF	(pg/L)	ND		ND		ND		--		ND	
METAL											
Aluminum	(mg/L)	ND		IW		ND		ND		ND	
Arsenic	(mg/L)	0.012	=	IW		ND		ND		ND	
Barium	(mg/L)	0.34	=	IW		ND		0.49	=	0.37	=
Calcium	(mg/L)	105	=	IW		90.1	=	144	=	91.1	=
Chromium	(mg/L)	ND		IW		ND		ND		ND	
Copper	(mg/L)	ND		IW		ND		ND		ND	
Iron	(mg/L)	3.5	=	IW		1.5	=	1.0	=	1.8	=
Lead	(mg/L)	ND		IW		ND		ND		ND	
Magnesium	(mg/L)	47.7	=	IW		40.8	=	61.8	=	35.0	=
Manganese	(mg/L)	0.064	=	IW		0.14	=	0.47	=	0.072	=
Nickel	(mg/L)	ND		IW		ND		ND		ND	
Potassium	(mg/L)	ND		IW		10.6	=	ND		ND	
Sodium	(mg/L)	13.0	=	IW		14.2	=	228	=	7.0	=
Zinc	(mg/L)	ND		IW		ND		ND		ND	
SVOC											
bis(2-Ethylhexyl) phthalate	(ug/L)	ND		IW		ND		ND		ND	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloropropane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	1.3	J,B	1.9	J,B	0.98	J,B	1.5	J,B	1.2	J,B
Benzene	(ug/L)	0.21	J,B	1.1	B	0.12	J	ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW07A-5000		WP-LF10-MW07C-1000		WP-LF10-MW08A-2-1000		WP-LF10-MW08B-1000		WP-LF10-MW09A-1000
Sample Date		10/26/00		10/26/00		10/18/00		10/26/00		10/30/00
VOC										
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND
Methylene chloride	(ug/L)	0.25	J,B	0.36	J,B	ND		0.20	J	ND
Toluene	(ug/L)	ND		0.21	J	0.24	J	0.19	J	ND
Trichloroethene	(ug/L)	ND		ND		ND		ND		ND
Vinyl chloride	(ug/L)	ND		ND		ND		ND		ND
Xylenes (total)	(ug/L)	ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW09B-1000		WP-LF10-MW09C-1000		WP-LF10-MW103-1000		WP-LF10-MW105-1000		WP-LF10-MW10C-1000	
Sample Date		10/26/00		10/30/00		10/26/00		10/26/00		10/30/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.2	=	0.4	=	IW		IW		ND	
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	ND		--		ND		ND		0.60	J
1,2,3,4,6,7,8-HpCDF	(pg/L)	ND		--		ND		ND		ND	
1,2,3,4,7,8-HxCDF	(pg/L)	ND		--		0.31	J,Q	0.38	J,Q	ND	
1,2,3,6,7,8-HxCDF	(pg/L)	ND		--		ND		ND		ND	
1,2,3,7,8-PeCDD	(pg/L)	ND		--		ND		ND		ND	
1,2,3,7,8-PeCDF	(pg/L)	ND		--		ND		ND		ND	
2,3,7,8-TCDD	(pg/L)	ND		--		ND		ND		ND	
OCDD	(pg/L)	4.1	J,B,Q	--		10	J,B	2.7	J,B	3.9	J,B
OCDF	(pg/L)	1.9	J,Q	--		ND		0.73	J	0.98	J,B,Q
Total HpCDD	(pg/L)	ND		--		1.3	J,Q	ND		0.60	J
Total HpCDF	(pg/L)	ND		--		ND		ND		ND	
Total HxCDF	(pg/L)	ND		--		1.2	J,Q	0.38	J,Q	ND	
Total PeCDD	(pg/L)	ND		--		ND		ND		ND	
Total PeCDF	(pg/L)	ND		--		2.4	J,Q	ND		ND	
Total TCDD	(pg/L)	ND		--		ND		ND		ND	
Total TCDF	(pg/L)	ND		--		5.6	J,Q	ND		ND	
METAL											
Aluminum	(mg/L)	ND		ND		1.2	=	IW		ND	
Arsenic	(mg/L)	0.015	=	0.016	=	0.047	=	IW		ND	
Barium	(mg/L)	0.34	=	0.32	=	0.59	=	IW		ND	
Calcium	(mg/L)	109	=	95.1	=	124	=	IW		117	=
Chromium	(mg/L)	ND		ND		ND		IW		ND	
Copper	(mg/L)	ND		ND		ND		IW		ND	
Iron	(mg/L)	7.8	=	6.7	=	13.4	=	IW		0.60	=
Lead	(mg/L)	ND		ND		ND		IW		ND	
Magnesium	(mg/L)	66.6	=	68.6	=	54.2	=	IW		48.9	=
Manganese	(mg/L)	0.034	=	0.031	=	0.089	=	IW		0.045	=
Nickel	(mg/L)	ND		ND		ND		IW		ND	
Potassium	(mg/L)	ND		ND		10.6	=	IW		ND	
Sodium	(mg/L)	78.5	=	86.7	=	47.3	=	IW		10.4	=
Zinc	(mg/L)	ND		ND		0.066	=	IW		ND	
SVOC											
bis(2-Ethylhexyl) phthalate	(ug/L)	ND		ND		ND		ND		ND	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	0.51	J	0.81	J	0.50	J	ND		ND	
1,1-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	0.37	J	0.54	J	ND		ND		ND	
1,2-Dichloropropane	(ug/L)	0.15	J	0.16	J	ND		ND		ND	
Acetone	(ug/L)	2.4	J,B	ND		2.1	J,B	1.2	J,B	1.2	J,B
Benzene	(ug/L)	1.4	B	3.8	=	2.1	=	ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		3.6	=	ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW09B-1000		WP-LF10-MW09C-1000		WP-LF10-MW103-1000		WP-LF10-MW105-1000		WP-LF10-MW10C-1000	
Sample Date		10/26/00		10/30/00		10/26/00		10/26/00		10/30/00	
VOC											
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		0.12	J	ND		ND	
Methylene chloride	(ug/L)	0.29	J,B	0.34	J,B	0.32	J	0.22	J	0.23	J,B
Toluene	(ug/L)	0.25	J	0.47	J	0.24	J	0.19	J	0.13	J
Trichloroethene	(ug/L)	ND		ND		ND		ND		ND	
Vinyl chloride	(ug/L)	0.46	J	ND		ND		ND		ND	
Xylenes (total)	(ug/L)	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		0.20	J	0.15	J	ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW11A-1000		WP-LF10-MW11A-5000		WP-LF10-MW11B-1000		TB-102400		TB-102500	
Sample Date		10/30/00		10/30/00		10/30/00		10/24/00		10/25/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	ND		ND		ND		--		--	
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	ND		ND		ND		--		--	
1,2,3,4,6,7,8-HpCDF	(pg/L)	ND		ND		ND		--		--	
1,2,3,4,7,8-HxCDF	(pg/L)	0.41	J,B	ND		0.39	J,B	--		--	
1,2,3,6,7,8-HxCDF	(pg/L)	ND		ND		ND		--		--	
1,2,3,7,8-PeCDD	(pg/L)	ND		ND		ND		--		--	
1,2,3,7,8-PeCDF	(pg/L)	ND		ND		ND		--		--	
2,3,7,8-TCDD	(pg/L)	6.0	J,Q	ND		ND		--		--	
OCDD	(pg/L)	1.7	J,B,Q	1.6	J,B,Q	2.4	J,B	--		--	
OCDF	(pg/L)	ND		ND		ND		--		--	
Total HpCDD	(pg/L)	ND		ND		ND		--		--	
Total HpCDF	(pg/L)	ND		ND		ND		--		--	
Total HxCDF	(pg/L)	0.41	J,B	ND		0.39	J,B	--		--	
Total PeCDD	(pg/L)	ND		ND		ND		--		--	
Total PeCDF	(pg/L)	ND		ND		ND		--		--	
Total TCDD	(pg/L)	6.0	J,Q	ND		ND		--		--	
Total TCDF	(pg/L)	ND		ND		ND		--		--	
METAL											
Aluminum	(mg/L)	ND		ND		ND		--		--	
Arsenic	(mg/L)	ND		ND		ND		--		--	
Barium	(mg/L)	0.28	=	0.28	=	0.27	=	--		--	
Calcium	(mg/L)	90.9	=	92.8	=	142	=	--		--	
Chromium	(mg/L)	ND		ND		ND		--		--	
Copper	(mg/L)	ND		ND		ND		--		--	
Iron	(mg/L)	1.2	=	1.2	=	3.1	=	--		--	
Lead	(mg/L)	ND		ND		ND		--		--	
Magnesium	(mg/L)	35.2	=	36.0	=	54.2	=	--		--	
Manganese	(mg/L)	0.081	=	0.083	=	0.062	=	--		--	
Nickel	(mg/L)	ND		ND		ND		--		--	
Potassium	(mg/L)	ND		ND		ND		--		--	
Sodium	(mg/L)	7.4	=	7.6	=	15.0	=	--		--	
Zinc	(mg/L)	ND		ND		ND		--		--	
SVOC											
bis(2-Ethylhexyl) phthalate	(ug/L)	5.6	J	ND		ND		--		--	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloropropane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	1.1	J,B	1.2	J,B	1.2	J,B	1.2	J,B	0.82	J,B
Benzene	(ug/L)	0.13	J	0.14	J	0.44	J	ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW11A-1000		WP-LF10-MW11A-5000		WP-LF10-MW11B-1000		TB-102400		TB-102500	
Sample Date		10/30/00		10/30/00		10/30/00		10/24/00		10/25/00	
VOC											
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	0.22	J,B	0.26	J,B	ND		0.33	J,B	0.29	J
Toluene	(ug/L)	0.32	J	0.30	J	1.2	=	ND		ND	
Trichloroethene	(ug/L)	ND		ND		ND		ND		ND	
Vinyl chloride	(ug/L)	ND		ND		ND		ND		ND	
Xylenes (total)	(ug/L)	ND		ND		0.69	J	ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		TB-103000		TB-103100		TRIP BLANK		TRIP BLANKS	
Sample Date		10/30/00		10/31/00		10/26/00		10/27/00	
AMMONIA									
Nitrogen, as Ammonia	(mg/L)	--		--		--		--	
DIOXIN									
1,2,3,4,6,7,8-HpCDD	(pg/L)	--		--		--		--	
1,2,3,4,6,7,8-HpCDF	(pg/L)	--		--		--		--	
1,2,3,4,7,8-HxCDF	(pg/L)	--		--		--		--	
1,2,3,6,7,8-HxCDF	(pg/L)	--		--		--		--	
1,2,3,7,8-PeCDD	(pg/L)	--		--		--		--	
1,2,3,7,8-PeCDF	(pg/L)	--		--		--		--	
2,3,7,8-TCDD	(pg/L)	--		--		--		--	
OCDD	(pg/L)	--		--		--		--	
OCDF	(pg/L)	--		--		--		--	
Total HpCDD	(pg/L)	--		--		--		--	
Total HpCDF	(pg/L)	--		--		--		--	
Total HxCDF	(pg/L)	--		--		--		--	
Total PeCDD	(pg/L)	--		--		--		--	
Total PeCDF	(pg/L)	--		--		--		--	
Total TCDD	(pg/L)	--		--		--		--	
Total TCDF	(pg/L)	--		--		--		--	
METAL									
Aluminum	(mg/L)	--		--		--		--	
Arsenic	(mg/L)	--		--		--		--	
Barium	(mg/L)	--		--		--		--	
Calcium	(mg/L)	--		--		--		--	
Chromium	(mg/L)	--		--		--		--	
Copper	(mg/L)	--		--		--		--	
Iron	(mg/L)	--		--		--		--	
Lead	(mg/L)	--		--		--		--	
Magnesium	(mg/L)	--		--		--		--	
Manganese	(mg/L)	--		--		--		--	
Nickel	(mg/L)	--		--		--		--	
Potassium	(mg/L)	--		--		--		--	
Sodium	(mg/L)	--		--		--		--	
Zinc	(mg/L)	--		--		--		--	
SVOC									
bis(2-Ethylhexyl) phthalate	(ug/L)	--		--		--		--	
VOC									
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND	
1,1-Dichloroethene	(ug/L)	ND		ND		0.37	J	ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND	
1,2-Dichloropropane	(ug/L)	ND		ND		ND		ND	
Acetone	(ug/L)	0.89	J,B	1.2	J,B	2.2	J,B	1.2	J,B
Benzene	(ug/L)	ND		ND		0.12	J	ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		TB-103000		TB-103100		TRIP BLANK		TRIP BLANKS	
Sample Date		10/30/00		10/31/00		10/26/00		10/27/00	
VOC									
Dibromochloromethane	(ug/L)	ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND	
Methylene chloride	(ug/L)	ND		0.26	J	0.30	J	0.29	J
Toluene	(ug/L)	ND		ND		0.55	J	ND	
Trichloroethene	(ug/L)	ND		ND		ND		ND	
Vinyl chloride	(ug/L)	ND		ND		ND		ND	
Xylenes (total)	(ug/L)	ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND	

-- = Not Applicable, ND = Not Detected, ()=Result Exceeds MCL Value, [ ]=Result Exceeds Background Value

Wright-Patterson AFB
October 2000 - LF8/10 Data - GROUND WATER
The IT Group, Project 777097

Sample Number	WP-LF8/10-LW1000-100
Sample Date	10/31/00

E150.1			
pH (liquid)	(No Units	7.0	=
E160.2			
Total Suspended Solids	(mg/L)	15	=
E410.4			
Chemical Oxygen Demand (COD)	(mg/L)	45	=
METAL			
Barium	(mg/L)	0.60	=
Calcium	(mg/L)	166	=
Iron	(mg/L)	6.3	=
Magnesium	(mg/L)	74.3	=
Manganese	(mg/L)	0.15	=
Potassium	(mg/L)	5.4	=
Sodium	(mg/L)	150	=
VOC			
Acetone	(ug/L)	2.5	J,B
Methylene chloride	(ug/L)	0.21	J
Toluene	(ug/L)	0.20	J

-- = Not Applicable, ND = Not Detected, ()=Result Exceeds MCL Value, [ ]=Result Exceeds Background Value→

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-01-004-M-1000		WP-01-DM102D-M-1000		WP-02-DM-81D-M-1000		WP-02-DM-81S-M-1000		WP-02-DM-81S-M-1000-AMB01	
Sample Date		10/27/00		10/31/00		10/30/00		10/27/00		10/27/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.2	ND	0.2	ND	0.3	=	0.3	=	0.2	ND
CYANIDE											
Total Cyanide	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	2.4	ND	0.69	ND	0.44	ND	0.89	ND	0.79	ND
1,2,3,4,6,7,8-HpCDF	(pg/L)	2.6	ND	0.46	ND	0.60	ND	0.74	ND	0.55	ND
1,2,3,4,7,8,9-HpCDF	(pg/L)	3.0	ND	0.54	ND	0.70	ND	0.86	ND	0.64	ND
1,2,3,4,7,8-HxCDD	(pg/L)	1.8	ND	0.45	ND	0.34	ND	0.76	ND	0.58	ND
1,2,3,4,7,8-HxCDF	(pg/L)	0.91	ND	0.63	J,B	0.34	J,B,Q	0.39	ND	0.32	ND
1,2,3,6,7,8-HxCDD	(pg/L)	2.0	ND	0.50	ND	0.38	ND	0.84	ND	0.64	ND
1,2,3,6,7,8-HxCDF	(pg/L)	0.90	ND	0.27	ND	0.20	ND	0.38	ND	0.31	ND
1,2,3,7,8,9-HxCDD	(pg/L)	1.7	ND	0.44	ND	0.33	ND	0.74	ND	0.56	ND
1,2,3,7,8,9-HxCDF	(pg/L)	1.0	ND	0.31	ND	0.23	ND	0.43	ND	0.36	ND
1,2,3,7,8-PeCDD	(pg/L)	2.0	ND	0.52	J,Q	0.57	ND	0.94	ND	0.62	ND
1,2,3,7,8-PeCDF	(pg/L)	1.9	ND	0.51	ND	0.36	ND	0.83	ND	0.49	ND
2,3,4,6,7,8-HxCDF	(pg/L)	0.98	ND	0.30	ND	0.22	ND	0.42	ND	0.34	ND
2,3,4,7,8-PeCDF	(pg/L)	1.7	ND	0.48	ND	0.34	ND	0.78	ND	0.46	ND
2,3,7,8-TCDD	(pg/L)	3.8	ND	1.0	ND	10	J,Q	2.2	ND	1.5	ND
2,3,7,8-TCDF	(pg/L)	3.3	ND	0.74	ND	0.65	ND	1.8	ND	1.1	ND
OCDD	(pg/L)	5.1	J,B,Q	7.9	J,B	2.0	J,B	5.3	J,B	1.0	ND
OCDF	(pg/L)	3.2	ND	0.86	ND	0.50	ND	1.3	ND	1.0	ND
Total HpCDD	(pg/L)	2.4	ND	0.69	ND	0.44	ND	0.89	ND	0.79	ND
Total HpCDF	(pg/L)	2.8	ND	0.50	ND	0.64	ND	0.80	ND	0.60	ND
Total HxCDD	(pg/L)	1.8	ND	0.46	ND	0.35	ND	0.78	ND	0.59	ND
Total HxCDF	(pg/L)	0.95	ND	0.63	J,B	0.34	J,B,Q	0.40	ND	0.33	ND
Total PeCDD	(pg/L)	2.0	ND	0.52	J,Q	0.57	ND	0.94	ND	0.62	ND
Total PeCDF	(pg/L)	1.8	ND	0.49	ND	0.35	ND	0.80	ND	0.47	ND
Total TCDD	(pg/L)	3.8	ND	1.0	ND	10	J,Q	2.2	ND	1.5	ND
Total TCDF	(pg/L)	3.3	ND	0.74	ND	0.65	ND	1.8	ND	1.1	ND
MERCURY											
Mercury	(mg/L)	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
METAL											
Aluminum	(mg/L)	4.0	ND	1.7	=	0.20	ND	0.20	ND	0.20	ND
Antimony	(mg/L)	1.2	ND	0.060	ND	0.060	ND	0.060	ND	0.060	ND
Arsenic	(mg/L)	16.1	=	0.010	ND	0.024	=	0.010	ND	0.010	ND
Barium	(mg/L)	22.4	=	0.50	=	0.20	ND	0.44	=	0.20	ND
Beryllium	(mg/L)	0.080	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Cadmium	(mg/L)	0.10	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Calcium	(mg/L)	462	=	145	=	125	=	210	=	7.3	=
Chromium	(mg/L)	0.20	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Cobalt	(mg/L)	1.0	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Copper	(mg/L)	0.50	ND	0.025	ND	0.025	ND	0.025	ND	0.025	ND
Iron	(mg/L)	(6910)	=	2.5	=	4.7	=	0.10	ND	0.10	ND
Lead	(mg/L)	0.060	ND	0.0040	=	0.0030	ND	0.0030	ND	0.0030	ND
Magnesium	(mg/L)	100	ND	40.0	=	64.8	=	24.7	=	5.0	ND
Manganese	(mg/L)	28.8	=	0.15	=	0.054	=	0.015	ND	0.015	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-01-004-M-1000		WP-01-DM102D-M-1000		WP-02-DM-81D-M-1000		WP-02-DM-81S-M-1000		WP-02-DM-81S-M-1000-AMB01	
Sample Date		10/27/00		10/31/00		10/30/00		10/27/00		10/27/00	
METAL											
Nickel	(mg/L)	0.80	ND	0.040	ND	0.040	ND	0.040	ND	0.040	ND
Potassium	(mg/L)	100	ND	9.3	=	5.0	ND	8.5	=	5.0	ND
Selenium	(mg/L)	0.10	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Silver	(mg/L)	0.20	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Sodium	(mg/L)	100	ND	24.1	=	14.3	=	26.3	=	5.0	ND
Thallium	(mg/L)	0.20	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Vanadium	(mg/L)	1.0	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Zinc	(mg/L)	1.0	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
PCB											
Aroclor 1016	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1221	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1232	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1242	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1248	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1254	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1260	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
PEST											
4,4'-DDD	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
4,4'-DDE	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
4,4'-DDT	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Aldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Dieldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan I	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan II	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan sulfate	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin aldehyde	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin ketone	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Heptachlor	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Heptachlor epoxide	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Methoxychlor	(ug/L)	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Toxaphene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
alpha-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
alpha-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
beta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
delta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
gamma-BHC (Lindane)	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
gamma-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
SVOC											
1,2,4-Trichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,3-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,4-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,2'-Oxybis(1-Chloropropane)	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4,5-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-01-004-M-1000		WP-01-DM102D-M-1000		WP-02-DM-81D-M-1000		WP-02-DM-81S-M-1000		WP-02-DM-81S-M-1000-AMB01	
Sample Date		10/27/00		10/31/00		10/30/00		10/27/00		10/27/00	
SVOC											
2,4,6-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dimethylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dinitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2,4-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,6-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chloronaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylnaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2-Nitrophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
3,3'-Dichlorobenzidine	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
3-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4,6-Dinitro-2-methylphenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Bromophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloro-3-methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloroaniline	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chlorophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Nitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
Acenaphthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acenaphthylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)pyrene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Benzo(b)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(ghi)perylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(k)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Butyl benzyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Carbazole	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Chrysene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-butyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-octyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenz(a,h)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenzofuran	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Diethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dimethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluorene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorobenzene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-01-004-M-1000		WP-01-DM102D-M-1000		WP-02-DM-81D-M-1000		WP-02-DM-81S-M-1000		WP-02-DM-81S-M-1000-AMB01	
Sample Date		10/27/00		10/31/00		10/30/00		10/27/00		10/27/00	
SVOC											
Hexachlorobutadiene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorocyclopentadiene	(ug/L)	(50)	ND	(50)	ND	(50)	ND	(50)	ND	(50)	ND
Hexachloroethane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Indeno(1,2,3-cd)pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Isophorone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodi-n-propylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodiphenylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Naphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Nitrobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pentachlorophenol	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Phenanthrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Phenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethoxy)methane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethyl) ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Ethylhexyl) phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	10	ND	2.2	J,B	1.1	J,B	6.9	J	10	ND
Benzene	(ug/L)	0.43	J	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	3.2	=
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	21	=
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	0.84	J
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	0.60	J	1.0	ND	1.0	ND	0.44	J	0.81	J
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-01-004-M-1000		WP-01-DM102D-M-1000		WP-02-DM-81D-M-1000		WP-02-DM-81S-M-1000		WP-02-DM-81S-M-1000-AMB01	
Sample Date		10/27/00		10/31/00		10/30/00		10/27/00		10/27/00	
VOC											
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	1.8	=	0.14	J	0.16	J	0.16	J	0.25	J
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	0.93	J	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-02-DM-82M-1000		WP-02-DM-83D-M-1000		WP-02-DM-83D-M-5000		WP-02-DM-83S-1000		WP-02-DM-84-M-1000	
Sample Date		10/30/00		10/31/00		10/31/00		10/31/00		10/27/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.4	=	0.2	=	0.2	ND	0.2	ND	0.4	=
CYANIDE											
Total Cyanide	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	0.64	ND	0.92	ND	0.62	ND	2.7	J	1.0	ND
1,2,3,4,6,7,8-HpCDF	(pg/L)	0.80	ND	1.3	ND	0.64	ND	0.94	J	0.73	ND
1,2,3,4,7,8,9-HpCDF	(pg/L)	0.93	ND	1.6	ND	0.74	ND	0.91	ND	0.85	ND
1,2,3,4,7,8-HxCDD	(pg/L)	0.58	ND	0.90	ND	0.41	ND	0.56	ND	0.75	ND
1,2,3,4,7,8-HxCDF	(pg/L)	0.40	J,B	0.38	ND	0.23	ND	0.34	ND	0.43	ND
1,2,3,6,7,8-HxCDD	(pg/L)	0.64	ND	0.99	ND	0.45	ND	0.61	ND	0.82	ND
1,2,3,6,7,8-HxCDF	(pg/L)	0.22	ND	0.38	ND	0.23	ND	0.34	ND	0.42	ND
1,2,3,7,8,9-HxCDD	(pg/L)	0.57	ND	0.87	ND	0.39	ND	0.54	ND	0.72	ND
1,2,3,7,8,9-HxCDF	(pg/L)	0.25	ND	0.43	ND	0.26	ND	0.39	ND	0.48	ND
1,2,3,7,8-PeCDD	(pg/L)	0.63	ND	1.0	ND	0.55	ND	0.70	ND	0.94	ND
1,2,3,7,8-PeCDF	(pg/L)	0.47	ND	0.75	ND	0.43	ND	0.63	ND	0.81	ND
2,3,4,6,7,8-HxCDF	(pg/L)	0.24	ND	0.42	ND	0.25	ND	0.37	ND	0.46	ND
2,3,4,7,8-PeCDF	(pg/L)	0.44	ND	0.71	ND	0.40	ND	0.59	ND	0.76	ND
2,3,7,8-TCDD	(pg/L)	1.2	ND	4.1	J,Q	1.0	ND	1.0	ND	2.1	ND
2,3,7,8-TCDF	(pg/L)	0.87	ND	1.3	ND	0.79	ND	0.81	ND	1.7	ND
OCDD	(pg/L)	3.5	J,B	1.9	J,B,Q	4.4	J,B	37	J,B	4.8	J,B,Q
OCDF	(pg/L)	0.87	ND	0.94	ND	1.0	J,B,Q	0.67	ND	1.4	ND
Total HpCDD	(pg/L)	0.64	ND	0.92	ND	0.62	ND	5.1	J	1.0	ND
Total HpCDF	(pg/L)	0.86	ND	1.4	ND	0.81	J,Q	0.94	J	0.79	ND
Total HxCDD	(pg/L)	0.60	ND	0.91	ND	0.41	ND	0.57	ND	0.76	ND
Total HxCDF	(pg/L)	0.40	J,B	0.40	ND	0.24	ND	0.92	J,S	0.45	ND
Total PeCDD	(pg/L)	0.69	J,Q	1.1	J,Q	0.55	ND	0.88	J,Q	0.94	ND
Total PeCDF	(pg/L)	0.46	ND	0.73	ND	0.41	ND	1.4	J,Q	0.79	ND
Total TCDD	(pg/L)	1.2	ND	4.1	J,Q	1.0	ND	1.0	ND	2.1	ND
Total TCDF	(pg/L)	0.87	ND	1.3	ND	0.79	ND	0.81	ND	1.7	ND
MERCURY											
Mercury	(mg/L)	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
METAL											
Aluminum	(mg/L)	0.20	ND	0.20	ND	0.20	ND	5.8	=	0.20	ND
Antimony	(mg/L)	0.060	ND	0.060	ND	0.060	ND	0.060	ND	0.060	ND
Arsenic	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.046	=
Barium	(mg/L)	0.45	=	0.20	ND	0.20	ND	0.38	=	0.46	=
Beryllium	(mg/L)	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Cadmium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Calcium	(mg/L)	90.2	=	83.1	=	81.8	=	260	=	139	=
Chromium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.040	=	0.010	ND
Cobalt	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Copper	(mg/L)	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.025	ND
Iron	(mg/L)	0.19	=	0.10	ND	0.10	ND	8.1	=	21.5	=
Lead	(mg/L)	0.0030	ND	0.0030	ND	0.0030	ND	0.0090	=	0.0030	ND
Magnesium	(mg/L)	41.3	=	41.1	=	40.6	=	88.1	=	71.3	=
Manganese	(mg/L)	0.60	=	0.39	=	0.38	=	2.4	=	0.12	=

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-02-DM-82M-1000		WP-02-DM-83D-M-1000		WP-02-DM-83D-M-5000		WP-02-DM-83S-1000		WP-02-DM-84-M-1000	
Sample Date		10/30/00		10/31/00		10/31/00		10/31/00		10/27/00	
METAL											
Nickel	(mg/L)	0.040	ND	0.040	ND	0.040	ND	0.10	=	0.040	ND
Potassium	(mg/L)	5.0	ND	5.0	ND	5.0	ND	6.0	=	6.8	=
Selenium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Silver	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Sodium	(mg/L)	10.4	=	12.1	=	11.8	=	76.2	=	22.6	=
Thallium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Vanadium	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Zinc	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.058	=	0.050	ND
PCB											
Aroclor 1016	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1221	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1232	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1242	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1248	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1254	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1260	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
PEST											
4,4'-DDD	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
4,4'-DDE	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
4,4'-DDT	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Aldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Dieldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan I	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan II	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan sulfate	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin aldehyde	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin ketone	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Heptachlor	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Heptachlor epoxide	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Methoxychlor	(ug/L)	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Toxaphene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
alpha-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
alpha-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
beta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
delta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
gamma-BHC (Lindane)	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
gamma-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
SVOC											
1,2,4-Trichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,3-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,4-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,2'-Oxybis(1-Chloropropane)	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4,5-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-02-DM-82M-1000		WP-02-DM-83D-M-1000		WP-02-DM-83D-M-5000		WP-02-DM-83S-1000		WP-02-DM-84-M-1000	
Sample Date		10/30/00		10/31/00		10/31/00		10/31/00		10/27/00	
SVOC											
2,4,6-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dimethylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dinitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2,4-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,6-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chloronaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylnaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2-Nitrophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
3,3'-Dichlorobenzidine	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
3-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4,6-Dinitro-2-methylphenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Bromophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloro-3-methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloroaniline	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chlorophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Nitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
Acenaphthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acenaphthylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)pyrene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Benzo(b)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(ghi)perylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(k)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Butyl benzyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Carbazole	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Chrysene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-butyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-octyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenz(a,h)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenzofuran	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Diethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dimethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluorene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorobenzene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-02-DM-82M-1000		WP-02-DM-83D-M-1000		WP-02-DM-83D-M-5000		WP-02-DM-83S-1000		WP-02-DM-84-M-1000	
Sample Date		10/30/00		10/31/00		10/31/00		10/31/00		10/27/00	
SVOC											
Hexachlorobutadiene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorocyclopentadiene	(ug/L)	(50)	ND	(50)	ND	(50)	ND	(50)	ND	(50)	ND
Hexachloroethane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Indeno(1,2,3-cd)pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Isophorone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodi-n-propylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodiphenylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Naphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Nitrobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pentachlorophenol	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Phenanthrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Phenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethoxy)methane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethyl) ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Ethylhexyl) phthalate	(ug/L)	28	=	10	ND	10	ND	10	ND	10	ND
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	31	=	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	62	=	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	3.4	=	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	0.39	J	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	0.40	J	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	20	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	20	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	20	ND	10	ND
Acetone	(ug/L)	1.4	J,B	1.3	J,B	10	ND	3.6	J,B	10	ND
Benzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	0.56	J	0.79	J
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	4.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	4.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	4.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	10	ND	5.0	ND
Methylene chloride	(ug/L)	0.23	J,B	0.22	J	1.0	ND	0.82	J	0.51	J
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-02-DM-82M-1000		WP-02-DM-83D-M-1000		WP-02-DM-83D-M-5000		WP-02-DM-83S-1000		WP-02-DM-84-M-1000	
Sample Date		10/30/00		10/31/00		10/31/00		10/31/00		10/27/00	
VOC											
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
Toluene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	4.0	ND	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	(6.6)	=	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	4.5	=	0.27	J
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.34	J	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	2.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW02A-1000		WP-LF08-MW02C-1000		WP-LF08-MW05B-1000		WP-LF08-MW08A-1000		WP-LF08-MW08B-1000	
Sample Date		10/23/00		10/23/00		11/02/00		10/24/00		10/24/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.8	=	0.9	=	0.2	ND	0.9	=	0.8	=
CYANIDE											
Total Cyanide	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	0.84	ND	1.3	ND	0.51	ND	2.0	ND	0.79	ND
1,2,3,4,6,7,8-HpCDF	(pg/L)	0.61	ND	0.84	ND	0.43	J,Q	0.88	ND	0.69	ND
1,2,3,4,7,8,9-HpCDF	(pg/L)	0.71	ND	0.97	ND	0.43	ND	1.0	ND	0.80	ND
1,2,3,4,7,8-HxCDD	(pg/L)	0.54	ND	0.83	ND	0.44	ND	0.94	ND	0.50	ND
1,2,3,4,7,8-HxCDF	(pg/L)	0.30	ND	0.52	ND	0.80	J,B	0.47	ND	0.27	ND
1,2,3,6,7,8-HxCDD	(pg/L)	0.59	ND	0.92	ND	0.49	ND	1.0	ND	0.55	ND
1,2,3,6,7,8-HxCDF	(pg/L)	0.29	ND	0.51	ND	0.59	J,B	0.46	ND	0.27	ND
1,2,3,7,8,9-HxCDD	(pg/L)	0.52	ND	0.81	ND	0.43	ND	0.91	ND	0.48	ND
1,2,3,7,8,9-HxCDF	(pg/L)	0.33	ND	0.58	ND	0.27	ND	0.52	ND	0.30	ND
1,2,3,7,8-PeCDD	(pg/L)	0.68	ND	1.1	ND	0.50	ND	1.0	ND	0.67	ND
1,2,3,7,8-PeCDF	(pg/L)	0.45	ND	0.77	ND	0.56	J,Q	0.77	ND	0.50	ND
2,3,4,6,7,8-HxCDF	(pg/L)	0.32	ND	0.56	ND	0.26	ND	0.50	ND	0.29	ND
2,3,4,7,8-PeCDF	(pg/L)	0.42	ND	0.72	ND	0.37	ND	0.72	ND	0.47	ND
2,3,7,8-TCDD	(pg/L)	1.3	ND	2.0	ND	0.95	ND	2.1	ND	1.3	ND
2,3,7,8-TCDF	(pg/L)	0.99	ND	1.5	ND	0.75	ND	1.6	ND	1.0	ND
OCDD	(pg/L)	2.3	J,B,Q	6.1	J,B	2.2	J,B,Q	2.2	ND	4.2	J,B
OCDF	(pg/L)	0.89	ND	1.7	ND	0.55	ND	2.4	ND	0.88	ND
Total HpCDD	(pg/L)	0.84	ND	1.3	ND	0.51	ND	2.0	ND	0.79	ND
Total HpCDF	(pg/L)	0.65	ND	0.90	ND	0.43	J,Q	0.95	ND	0.74	ND
Total HxCDD	(pg/L)	0.55	ND	0.85	ND	0.45	ND	0.96	ND	0.51	ND
Total HxCDF	(pg/L)	0.31	ND	0.54	ND	1.4	J,B	0.49	ND	0.28	ND
Total PeCDD	(pg/L)	0.68	ND	1.1	ND	0.50	ND	1.0	ND	0.67	ND
Total PeCDF	(pg/L)	0.44	ND	0.74	ND	0.56	J,Q	0.75	ND	0.48	ND
Total TCDD	(pg/L)	1.3	ND	2.0	ND	0.95	ND	2.1	ND	1.3	ND
Total TCDF	(pg/L)	0.99	ND	1.5	ND	0.75	ND	1.6	ND	1.0	ND
MERCURY											
Mercury	(mg/L)	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
METAL											
Aluminum	(mg/L)	0.20	ND	0.20	ND	0.29	=	0.20	ND	0.20	ND
Antimony	(mg/L)	0.060	ND	0.060	ND	0.060	ND	0.060	ND	0.060	ND
Arsenic	(mg/L)	0.010	ND	0.019	=	0.010	ND	0.13	=	0.014	=
Barium	(mg/L)	0.87	=	0.74	=	0.33	=	0.70	=	0.52	=
Beryllium	(mg/L)	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Cadmium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Calcium	(mg/L)	92.4	=	127	=	100	=	86.6	=	80.9	=
Chromium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Cobalt	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Copper	(mg/L)	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.025	ND
Iron	(mg/L)	7.8	=	5.4	=	1.7	=	9.3	=	1.6	=
Lead	(mg/L)	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Magnesium	(mg/L)	40.6	=	56.8	=	56.1	=	40.6	=	39.6	=
Manganese	(mg/L)	0.11	=	0.054	=	0.14	=	0.14	=	0.17	=

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW02A-1000		WP-LF08-MW02C-1000		WP-LF08-MW05B-1000		WP-LF08-MW08A-1000		WP-LF08-MW08B-1000	
Sample Date		10/23/00		10/23/00		11/02/00		10/24/00		10/24/00	
METAL											
Nickel	(mg/L)	0.040	ND	0.040	ND	0.040	ND	0.040	ND	0.040	ND
Potassium	(mg/L)	8.8	=	5.0	ND	5.7	=	5.0	ND	5.0	ND
Selenium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Silver	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Sodium	(mg/L)	137	=	33.2	=	17.0	=	12.0	=	11.5	=
Thallium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Vanadium	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Zinc	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
PCB											
Aroclor 1016	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1221	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1232	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1242	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1248	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1254	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1260	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
PEST											
4,4'-DDD	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
4,4'-DDE	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
4,4'-DDT	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Aldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Dieldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan I	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan II	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan sulfate	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin aldehyde	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin ketone	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Heptachlor	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Heptachlor epoxide	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Methoxychlor	(ug/L)	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Toxaphene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
alpha-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
alpha-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
beta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
delta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
gamma-BHC (Lindane)	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
gamma-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
SVOC											
1,2,4-Trichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,3-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,4-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,2'-Oxybis(1-Chloropropane)	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4,5-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW02A-1000		WP-LF08-MW02C-1000		WP-LF08-MW05B-1000		WP-LF08-MW08A-1000		WP-LF08-MW08B-1000	
Sample Date		10/23/00		10/23/00		11/02/00		10/24/00		10/24/00	
SVOC											
2,4,6-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dimethylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dinitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2,4-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,6-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chloronaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylnaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2-Nitrophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
3,3'-Dichlorobenzidine	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
3-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4,6-Dinitro-2-methylphenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Bromophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloro-3-methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloroaniline	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chlorophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Nitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
Acenaphthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acenaphthylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)pyrene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Benzo(b)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(ghi)perylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(k)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Butyl benzyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Carbazole	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Chrysene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-butyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-octyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenz(a,h)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenzofuran	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Diethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dimethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluorene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorobenzene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW02A-1000		WP-LF08-MW02C-1000		WP-LF08-MW05B-1000		WP-LF08-MW08A-1000		WP-LF08-MW08B-1000	
Sample Date		10/23/00		10/23/00		11/02/00		10/24/00		10/24/00	
SVOC											
Hexachlorobutadiene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorocyclopentadiene	(ug/L)	(50)	ND	(50)	ND	(50)	ND	(50)	ND	(50)	ND
Hexachloroethane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Indeno(1,2,3-cd)pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Isophorone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodi-n-propylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodiphenylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Naphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Nitrobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pentachlorophenol	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Phenanthrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Phenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethoxy)methane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethyl) ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Ethylhexyl) phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	1.2	J,B	1.4	J,B	1.5	J,B	2.0	J,B	1.2	J,B
Benzene	(ug/L)	1.0	ND	1.0	ND	0.17	J	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	0.55	J	0.46	J	0.20	J	0.81	J,B	0.39	J,B
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW02A-1000		WP-LF08-MW02C-1000		WP-LF08-MW05B-1000		WP-LF08-MW08A-1000		WP-LF08-MW08B-1000	
Sample Date		10/23/00		10/23/00		11/02/00		10/24/00		10/24/00	
VOC											
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	1.0	ND	1.0	ND	0.19	J	1.0	ND	1.0	ND
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	0.40	J	2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	0.38	J	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.44	J	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW08B-5000		WP-LF08-MW08C-1000		WP-LF08-MW09A-1000		WP-LF08-MW09B-1000		WP-LF08-MW101-1000	
Sample Date		10/24/00		10/24/00		10/23/00		10/23/00		10/24/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.7	=	0.2	ND	0.5	=	0.2	ND	0.6	=
CYANIDE											
Total Cyanide	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	1.0	ND	0.90	ND	0.69	ND	0.91	ND	3.9	J,Q
1,2,3,4,6,7,8-HpCDF	(pg/L)	0.62	ND	0.56	ND	0.52	ND	0.58	ND	0.77	ND
1,2,3,4,7,8,9-HpCDF	(pg/L)	0.72	ND	0.65	ND	0.61	ND	0.68	ND	0.89	ND
1,2,3,4,7,8-HxCDD	(pg/L)	0.70	ND	0.67	ND	0.53	ND	0.55	ND	0.71	ND
1,2,3,4,7,8-HxCDF	(pg/L)	0.38	ND	0.33	ND	0.31	ND	0.30	ND	0.37	ND
1,2,3,6,7,8-HxCDD	(pg/L)	0.77	ND	0.73	ND	0.58	ND	0.61	ND	0.78	ND
1,2,3,6,7,8-HxCDF	(pg/L)	0.37	ND	0.33	ND	0.31	ND	0.30	ND	0.37	ND
1,2,3,7,8,9-HxCDD	(pg/L)	0.68	ND	0.64	ND	0.51	ND	0.53	ND	0.69	ND
1,2,3,7,8,9-HxCDF	(pg/L)	0.42	ND	0.37	ND	0.35	ND	0.34	ND	0.42	ND
1,2,3,7,8-PeCDD	(pg/L)	0.95	ND	0.68	ND	0.62	ND	0.68	ND	0.84	ND
1,2,3,7,8-PeCDF	(pg/L)	0.64	ND	0.50	ND	0.47	ND	0.51	ND	0.68	ND
2,3,4,6,7,8-HxCDF	(pg/L)	0.41	ND	0.36	ND	0.34	ND	0.33	ND	0.40	ND
2,3,4,7,8-PeCDF	(pg/L)	0.60	ND	0.47	ND	0.44	ND	0.48	ND	0.63	ND
2,3,7,8-TCDD	(pg/L)	1.9	ND	2.2	J,Q	1.3	ND	1.5	ND	1.6	ND
2,3,7,8-TCDF	(pg/L)	1.4	ND	1.0	ND	1.0	ND	1.1	ND	1.2	ND
OCDD	(pg/L)	7.7	J,B	13	J,B	2.2	J,B,Q	11	J,B,Q	57	J,B
OCDF	(pg/L)	1.4	ND	0.82	ND	0.88	ND	0.75	ND	4.1	J,B,Q
Total HpCDD	(pg/L)	1.0	ND	0.90	ND	0.69	ND	0.91	ND	13	J,Q
Total HpCDF	(pg/L)	0.67	ND	0.60	ND	0.56	ND	0.63	ND	1.5	J,Q
Total HxCDD	(pg/L)	0.71	ND	0.68	ND	0.54	ND	0.56	ND	0.72	ND
Total HxCDF	(pg/L)	0.39	ND	0.35	ND	0.32	ND	0.32	ND	0.61	J,Q
Total PeCDD	(pg/L)	0.95	ND	0.68	ND	0.62	ND	0.68	ND	0.84	ND
Total PeCDF	(pg/L)	0.62	ND	0.49	ND	0.46	ND	0.50	ND	2.8	J,Q
Total TCDD	(pg/L)	1.9	ND	2.2	J	1.3	ND	1.5	ND	1.6	ND
Total TCDF	(pg/L)	1.4	ND	1.0	ND	1.0	ND	1.1	ND	5.9	J,Q
MERCURY											
Mercury	(mg/L)	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
METAL											
Aluminum	(mg/L)	0.20	ND	0.71	=	0.20	ND	0.20	ND	2.9	=
Antimony	(mg/L)	0.060	ND	0.060	ND	0.060	ND	0.060	ND	0.060	ND
Arsenic	(mg/L)	0.017	=	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Barium	(mg/L)	0.52	=	0.31	=	0.20	=	0.22	=	0.20	ND
Beryllium	(mg/L)	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Cadmium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Calcium	(mg/L)	79.1	=	146	=	82.3	=	158	=	74.0	=
Chromium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Cobalt	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Copper	(mg/L)	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.025	ND
Iron	(mg/L)	1.8	=	0.83	=	0.17	=	0.10	ND	6.8	=
Lead	(mg/L)	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0083	=
Magnesium	(mg/L)	39.8	=	102	=	36.7	=	59.4	=	23.1	=
Manganese	(mg/L)	0.16	=	0.13	=	0.025	=	0.015	ND	0.17	=

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW08B-5000		WP-LF08-MW08C-1000		WP-LF08-MW09A-1000		WP-LF08-MW09B-1000		WP-LF08-MW101-1000	
Sample Date		10/24/00		10/24/00		10/23/00		10/23/00		10/24/00	
METAL											
Nickel	(mg/L)	0.040	ND	0.040	ND	0.040	ND	0.040	ND	0.040	ND
Potassium	(mg/L)	5.0	ND	5.0	ND	7.3	=	5.0	ND	9.2	=
Selenium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Silver	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Sodium	(mg/L)	11.6	=	20.7	=	39.7	=	12.4	=	9.3	=
Thallium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Vanadium	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Zinc	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.45	=
PCB											
Aroclor 1016	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1221	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1232	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1242	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1248	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1254	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1260	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
PEST											
4,4'-DDD	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
4,4'-DDE	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
4,4'-DDT	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Aldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Dieldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan I	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan II	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan sulfate	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin aldehyde	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin ketone	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Heptachlor	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Heptachlor epoxide	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Methoxychlor	(ug/L)	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Toxaphene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
alpha-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
alpha-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
beta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
delta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
gamma-BHC (Lindane)	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
gamma-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
SVOC											
1,2,4-Trichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,3-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,4-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,2'-Oxybis(1-Chloropropane)	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4,5-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW08B-5000		WP-LF08-MW08C-1000		WP-LF08-MW09A-1000		WP-LF08-MW09B-1000		WP-LF08-MW101-1000	
Sample Date		10/24/00		10/24/00		10/23/00		10/23/00		10/24/00	
SVOC											
2,4,6-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dimethylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dinitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2,4-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,6-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chloronaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylnaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2-Nitrophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
3,3'-Dichlorobenzidine	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
3-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4,6-Dinitro-2-methylphenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Bromophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloro-3-methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloroaniline	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chlorophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Nitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
Acenaphthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acenaphthylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)pyrene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Benzo(b)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(ghi)perylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(k)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Butyl benzyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Carbazole	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Chrysene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-butyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-octyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenz(a,h)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenzofuran	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Diethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dimethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluorene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorobenzene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW08B-5000		WP-LF08-MW08C-1000		WP-LF08-MW09A-1000		WP-LF08-MW09B-1000		WP-LF08-MW101-1000	
Sample Date		10/24/00		10/24/00		10/23/00		10/23/00		10/24/00	
SVOC											
Hexachlorobutadiene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorocyclopentadiene	(ug/L)	(50)	ND	(50)	ND	(50)	ND	(50)	ND	(50)	ND
Hexachloroethane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Indeno(1,2,3-cd)pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Isophorone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodi-n-propylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodiphenylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Naphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Nitrobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pentachlorophenol	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Phenanthrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Phenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethoxy)methane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethyl) ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Ethylhexyl) phthalate	(ug/L)	10	ND	10	ND	9.2	J	10	ND	10	ND
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	1.3	J,B	1.2	J,B	1.5	J,B	1.7	J,B	1.9	J,B
Benzene	(ug/L)	1.0	ND	1.0	ND	1.8	=	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	0.82	J	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	0.40	J,B	0.31	J,B	0.37	J	0.30	J	0.33	J,B
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW08B-5000		WP-LF08-MW08C-1000		WP-LF08-MW09A-1000		WP-LF08-MW09B-1000		WP-LF08-MW101-1000	
Sample Date		10/24/00		10/24/00		10/23/00		10/23/00		10/24/00	
VOC											
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	1.0	ND	0.13	J	6.4	=	0.27	J	0.15	J
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	4.9	=	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW102-1000		WP-LF08-MW103-1000		WP-LF08-MW10A-1000		WP-LF08-MW10B-1000		WP-LF10-MW03A-1000	
Sample Date		10/18/00		10/24/00		10/25/00		10/25/00		10/26/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.6	=	0.5	=	2.6	=	0.2	ND	0.2	=
CYANIDE											
Total Cyanide	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	0.83	ND	1.7	J,Q	0.87	ND	0.98	ND	1.5	J
1,2,3,4,6,7,8-HpCDF	(pg/L)	0.66	ND	0.64	ND	0.62	ND	0.77	ND	0.67	J,Q
1,2,3,4,7,8,9-HpCDF	(pg/L)	0.77	ND	0.75	ND	0.72	ND	0.90	ND	0.77	ND
1,2,3,4,7,8-HxCDD	(pg/L)	0.56	ND	0.58	ND	0.50	ND	0.84	ND	0.57	ND
1,2,3,4,7,8-HxCDF	(pg/L)	0.34	ND	0.29	ND	0.47	J	0.36	ND	0.27	ND
1,2,3,6,7,8-HxCDD	(pg/L)	0.62	ND	0.64	ND	0.55	ND	0.92	ND	0.63	ND
1,2,3,6,7,8-HxCDF	(pg/L)	0.33	ND	0.28	ND	0.32	ND	0.35	ND	0.58	J,Q
1,2,3,7,8,9-HxCDD	(pg/L)	0.54	ND	0.56	ND	0.48	ND	0.81	ND	0.55	ND
1,2,3,7,8,9-HxCDF	(pg/L)	0.38	ND	0.32	ND	0.37	ND	0.40	ND	0.31	ND
1,2,3,7,8-PeCDD	(pg/L)	0.66	ND	0.77	ND	0.72	ND	0.81	ND	0.61	ND
1,2,3,7,8-PeCDF	(pg/L)	0.67	ND	0.58	ND	0.49	ND	0.60	ND	0.45	ND
2,3,4,6,7,8-HxCDF	(pg/L)	0.37	ND	0.31	ND	0.35	ND	0.38	ND	0.29	ND
2,3,4,7,8-PeCDF	(pg/L)	0.62	ND	0.54	ND	0.46	ND	0.56	ND	0.42	ND
2,3,7,8-TCDD	(pg/L)	1.6	ND	1.7	ND	1.5	ND	1.8	ND	1.2	ND
2,3,7,8-TCDF	(pg/L)	1.3	ND	1.1	ND	1.1	ND	1.1	ND	0.87	ND
OCDD	(pg/L)	3.6	J,B	23	J,B	4.1	J,B	4.9	J,B	14	J,B
OCDF	(pg/L)	1.0	ND	0.99	ND	1.0	ND	1.4	ND	3.3	J,Q
Total HpCDD	(pg/L)	0.83	ND	1.7	=	0.87	ND	0.98	ND	2.4	J,Q
Total HpCDF	(pg/L)	0.71	ND	0.69	ND	0.66	ND	0.83	ND	0.72	J,Q
Total HxCDD	(pg/L)	0.57	ND	0.59	ND	0.51	ND	0.85	ND	0.58	ND
Total HxCDF	(pg/L)	0.35	ND	0.30	ND	0.47	J	0.37	ND	0.58	J,Q
Total PeCDD	(pg/L)	0.66	ND	0.77	ND	0.72	ND	0.81	ND	0.61	ND
Total PeCDF	(pg/L)	0.64	ND	0.56	ND	0.47	ND	0.58	ND	0.43	ND
Total TCDD	(pg/L)	1.6	ND	1.7	ND	1.5	ND	1.8	ND	1.2	ND
Total TCDF	(pg/L)	1.3	ND	1.1	ND	1.1	ND	1.1	ND	0.87	ND
MERCURY											
Mercury	(mg/L)	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
METAL											
Aluminum	(mg/L)	0.20	ND	0.20	ND	0.20	ND	0.20	ND	4.8	=
Antimony	(mg/L)	0.060	ND	0.060	ND	0.060	ND	0.060	ND	0.060	ND
Arsenic	(mg/L)	0.011	=	0.010	ND	0.034	=	0.010	ND	0.010	ND
Barium	(mg/L)	0.20	ND	0.49	=	0.74	=	0.27	=	0.24	=
Beryllium	(mg/L)	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Cadmium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Calcium	(mg/L)	62.7	=	54.7	=	72.1	=	182	=	150	=
Chromium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.021	=
Cobalt	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Copper	(mg/L)	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.034	=
Iron	(mg/L)	2.4	=	1.1	=	2.4	=	1.5	=	7.5	=
Lead	(mg/L)	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0099	=
Magnesium	(mg/L)	24.4	=	23.8	=	38.3	=	89.5	=	58.9	=
Manganese	(mg/L)	0.023	=	0.018	=	0.016	=	0.32	=	0.25	=

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW102-1000		WP-LF08-MW103-1000		WP-LF08-MW10A-1000		WP-LF08-MW10B-1000		WP-LF10-MW03A-1000	
Sample Date		10/18/00		10/24/00		10/25/00		10/25/00		10/26/00	
METAL											
Nickel	(mg/L)	0.040	ND	0.040	ND	0.040	ND	0.040	ND	0.040	ND
Potassium	(mg/L)	5.0	ND	5.7	=	5.0	ND	5.0	ND	17.0	=
Selenium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Silver	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Sodium	(mg/L)	5.6	=	15.9	=	39.5	=	109	=	37.9	=
Thallium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Vanadium	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Zinc	(mg/L)	0.11	=	0.19	=	0.050	ND	0.050	ND	0.050	ND
PCB											
Aroclor 1016	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1221	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1232	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1242	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1248	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1254	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1260	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
PEST											
4,4'-DDD	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
4,4'-DDE	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
4,4'-DDT	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Aldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Dieldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan I	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan II	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan sulfate	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin aldehyde	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin ketone	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Heptachlor	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Heptachlor epoxide	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Methoxychlor	(ug/L)	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Toxaphene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
alpha-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
alpha-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
beta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
delta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
gamma-BHC (Lindane)	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
gamma-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
SVOC											
1,2,4-Trichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,3-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,4-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,2'-Oxybis(1-Chloropropane)	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4,5-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW102-1000		WP-LF08-MW103-1000		WP-LF08-MW10A-1000		WP-LF08-MW10B-1000		WP-LF10-MW03A-1000	
Sample Date		10/18/00		10/24/00		10/25/00		10/25/00		10/26/00	
SVOC											
2,4,6-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dimethylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dinitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2,4-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,6-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chloronaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylnaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2-Nitrophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
3,3'-Dichlorobenzidine	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
3-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4,6-Dinitro-2-methylphenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Bromophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloro-3-methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloroaniline	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chlorophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Nitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
Acenaphthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acenaphthylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)pyrene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Benzo(b)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(ghi)perylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(k)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Butyl benzyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Carbazole	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Chrysene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-butyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-octyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenz(a,h)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenzofuran	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Diethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dimethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluorene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorobenzene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW102-1000		WP-LF08-MW103-1000		WP-LF08-MW10A-1000		WP-LF08-MW10B-1000		WP-LF10-MW03A-1000	
Sample Date		10/18/00		10/24/00		10/25/00		10/25/00		10/26/00	
SVOC											
Hexachlorobutadiene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorocyclopentadiene	(ug/L)	(50)	ND	(50)	ND	(50)	ND	(50)	ND	(50)	ND
Hexachloroethane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Indeno(1,2,3-cd)pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Isophorone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodi-n-propylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodiphenylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Naphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Nitrobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pentachlorophenol	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Phenanthrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Phenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethoxy)methane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethyl) ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Ethylhexyl) phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	2.2	J
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	11	=	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	0.46	J	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	1.8	J,B	1.4	J,B	1.0	J,B	1.2	J,B	1.6	J,B
Benzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	0.36	J,B
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	1.0	ND	0.33	J,B	0.25	J	0.38	J	0.30	J,B
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF08-MW102-1000		WP-LF08-MW103-1000		WP-LF08-MW10A-1000		WP-LF08-MW10B-1000		WP-LF10-MW03A-1000	
Sample Date		10/18/00		10/24/00		10/25/00		10/25/00		10/26/00	
VOC											
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	0.29	J	0.19	J	0.20	J	0.24	J	0.14	J
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	(8.2)	=	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	1.1	=	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.11	J	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW05B-1000		WP-LF10-MW05C-1000		WP-LF10-MW06A-1000		WP-LF10-MW06B-1000		WP-LF10-MW07A-1000	
Sample Date		10/25/00		10/25/00		10/25/00		10/25/00		10/26/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.3	=	0.7	=	0.7	=	0.2	ND	0.2	=
CYANIDE											
Total Cyanide	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.050	ND	0.010	ND
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	0.72	ND	0.77	ND	0.49	ND	0.65	J,Q,U	0.65	ND
1,2,3,4,6,7,8-HpCDF	(pg/L)	0.52	ND	0.54	ND	0.39	ND	0.57	ND	0.60	ND
1,2,3,4,7,8,9-HpCDF	(pg/L)	0.60	ND	0.63	ND	0.45	ND	0.67	ND	0.70	ND
1,2,3,4,7,8-HxCDD	(pg/L)	0.56	ND	0.48	ND	0.39	ND	0.52	ND	0.54	ND
1,2,3,4,7,8-HxCDF	(pg/L)	0.25	ND	0.24	ND	0.56	J	0.27	ND	0.33	ND
1,2,3,6,7,8-HxCDD	(pg/L)	0.62	ND	0.53	ND	0.43	ND	0.57	ND	0.60	ND
1,2,3,6,7,8-HxCDF	(pg/L)	0.25	ND	0.24	ND	0.19	ND	0.27	ND	0.32	ND
1,2,3,7,8,9-HxCDD	(pg/L)	0.55	ND	0.46	ND	0.38	ND	0.50	ND	0.53	ND
1,2,3,7,8,9-HxCDF	(pg/L)	0.28	ND	0.27	ND	0.22	ND	0.31	ND	0.37	ND
1,2,3,7,8-PeCDD	(pg/L)	0.60	ND	0.52	ND	0.39	ND	0.59	ND	0.65	ND
1,2,3,7,8-PeCDF	(pg/L)	0.43	ND	0.35	ND	0.36	ND	0.42	ND	0.51	ND
2,3,4,6,7,8-HxCDF	(pg/L)	0.27	ND	0.26	ND	0.21	ND	0.30	ND	0.35	ND
2,3,4,7,8-PeCDF	(pg/L)	0.41	ND	0.33	ND	0.34	ND	0.40	ND	0.48	ND
2,3,7,8-TCDD	(pg/L)	1.3	ND	1.5	J,Q	0.83	ND	1.1	ND	1.3	ND
2,3,7,8-TCDF	(pg/L)	0.96	ND	0.79	ND	0.65	ND	0.88	ND	1.0	ND
OCDD	(pg/L)	7.7	J,B	15	J,B	8.9	J,B	5.8	J,B	2.7	J,B
OCDF	(pg/L)	0.74	ND	0.63	ND	0.50	ND	1.5	J,B	0.82	ND
Total HpCDD	(pg/L)	0.72	ND	1.5	J,Q	0.49	ND	0.65	J,Q,U	0.65	ND
Total HpCDF	(pg/L)	0.56	ND	0.58	ND	0.42	ND	0.62	ND	0.64	ND
Total HxCDD	(pg/L)	0.57	ND	0.49	ND	0.40	ND	0.53	ND	0.55	ND
Total HxCDF	(pg/L)	0.26	ND	0.25	ND	0.56	J	0.29	ND	0.34	ND
Total PeCDD	(pg/L)	0.60	ND	0.52	ND	0.39	ND	0.59	ND	0.65	ND
Total PeCDF	(pg/L)	0.42	ND	0.34	ND	0.35	ND	0.41	ND	0.49	ND
Total TCDD	(pg/L)	1.3	ND	1.5	J	0.83	ND	1.1	ND	1.3	ND
Total TCDF	(pg/L)	0.96	ND	0.79	ND	0.65	ND	0.88	ND	1.0	ND
MERCURY											
Mercury	(mg/L)	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
METAL											
Aluminum	(mg/L)	0.20	ND	4.6	=	0.20	ND	0.20	ND	0.20	ND
Antimony	(mg/L)	0.060	ND	0.060	ND	0.060	ND	0.060	ND	0.060	ND
Arsenic	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.012	=
Barium	(mg/L)	0.62	=	0.20	=	0.20	ND	0.20	ND	0.35	=
Beryllium	(mg/L)	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Cadmium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Calcium	(mg/L)	78.5	=	200	=	79.4	=	96.9	=	108	=
Chromium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Cobalt	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Copper	(mg/L)	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.025	ND
Iron	(mg/L)	0.21	=	9.9	=	0.14	=	0.88	=	3.7	=
Lead	(mg/L)	0.0030	ND	0.0034	=	0.0030	ND	0.0037	=	0.0030	ND
Magnesium	(mg/L)	34.7	=	64.4	=	36.3	=	54.5	=	48.4	=
Manganese	(mg/L)	0.019	=	0.45	=	0.015	ND	0.17	=	0.068	=

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW05B-1000		WP-LF10-MW05C-1000		WP-LF10-MW06A-1000		WP-LF10-MW06B-1000		WP-LF10-MW07A-1000	
Sample Date		10/25/00		10/25/00		10/25/00		10/25/00		10/26/00	
METAL											
Nickel	(mg/L)	0.040	ND	0.040	ND	0.040	ND	0.040	ND	0.040	ND
Potassium	(mg/L)	10	=	5.0	ND	14.8	=	5.0	ND	5.0	ND
Selenium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Silver	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Sodium	(mg/L)	40.5	=	17.0	=	7.5	=	8.1	=	13.6	=
Thallium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Vanadium	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Zinc	(mg/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
PCB											
Aroclor 1016	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1221	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1232	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1242	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1248	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1254	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1260	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND	(1.0)	ND
PEST											
4,4'-DDD	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
4,4'-DDE	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
4,4'-DDT	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Aldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Dieldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan I	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan II	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endosulfan sulfate	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin aldehyde	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Endrin ketone	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Heptachlor	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Heptachlor epoxide	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
Methoxychlor	(ug/L)	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Toxaphene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
alpha-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
alpha-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
beta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
delta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
gamma-BHC (Lindane)	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
gamma-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND
SVOC											
1,2,4-Trichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,3-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,4-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,2'-Oxybis(1-Chloropropane)	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4,5-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW05B-1000		WP-LF10-MW05C-1000		WP-LF10-MW06A-1000		WP-LF10-MW06B-1000		WP-LF10-MW07A-1000	
Sample Date		10/25/00		10/25/00		10/25/00		10/25/00		10/26/00	
SVOC											
2,4,6-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dimethylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dinitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2,4-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,6-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chloronaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylnaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2-Nitrophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
3,3'-Dichlorobenzidine	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
3-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4,6-Dinitro-2-methylphenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Bromophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloro-3-methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloroaniline	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chlorophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Nitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
Acenaphthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acenaphthylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)pyrene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Benzo(b)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(ghi)perylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(k)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Butyl benzyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Carbazole	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Chrysene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-butyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-octyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenz(a,h)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenzofuran	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Diethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dimethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluorene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorobenzene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW05B-1000		WP-LF10-MW05C-1000		WP-LF10-MW06A-1000		WP-LF10-MW06B-1000		WP-LF10-MW07A-1000	
Sample Date		10/25/00		10/25/00		10/25/00		10/25/00		10/26/00	
SVOC											
Hexachlorobutadiene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorocyclopentadiene	(ug/L)	(50)	ND	(50)	ND	(50)	ND	(50)	ND	(50)	ND
Hexachloroethane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Indeno(1,2,3-cd)pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Isophorone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodi-n-propylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodiphenylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Naphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Nitrobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pentachlorophenol	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Phenanthrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Phenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethoxy)methane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethyl) ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Ethylhexyl) phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	1.1	J,B	0.91	J,B	1.1	J,B	1.0	J,B	1.2	J,B
Benzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	0.23	J,B
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	0.26	J	0.32	J	0.24	J	0.28	J	1.0	ND
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW05B-1000		WP-LF10-MW05C-1000		WP-LF10-MW06A-1000		WP-LF10-MW06B-1000		WP-LF10-MW07A-1000	
Sample Date		10/25/00		10/25/00		10/25/00		10/25/00		10/26/00	
VOC											
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	1.0	ND	1.0	ND	0.21	J	1.0	ND	1.0	ND
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW07A-5000		WP-LF10-MW07C-1000		WP-LF10-MW08A-2-1000		WP-LF10-MW08B-1000		WP-LF10-MW09A-1000	
Sample Date		10/26/00		10/26/00		10/18/00		10/26/00		10/30/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.2	ND	IW		0.2	ND	0.2	ND	0.2	ND
CYANIDE											
Total Cyanide	(mg/L)	0.010	ND	IW		0.010	ND	0.010	ND	0.010	ND
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	0.46	J,Q	7.8	ND	0.73	ND	--		0.47	ND
1,2,3,4,6,7,8-HpCDF	(pg/L)	0.39	ND	4.3	ND	0.82	ND	--		0.53	ND
1,2,3,4,7,8,9-HpCDF	(pg/L)	0.46	ND	5.0	ND	0.95	ND	--		0.61	ND
1,2,3,4,7,8-HxCDD	(pg/L)	0.36	ND	4.3	ND	0.60	ND	--		0.42	ND
1,2,3,4,7,8-HxCDF	(pg/L)	0.21	ND	3.0	ND	0.40	ND	--		0.42	J,B
1,2,3,6,7,8-HxCDD	(pg/L)	0.39	ND	4.7	ND	0.66	ND	--		0.46	ND
1,2,3,6,7,8-HxCDF	(pg/L)	0.21	ND	2.9	ND	0.39	ND	--		0.21	ND
1,2,3,7,8,9-HxCDD	(pg/L)	0.35	ND	4.1	ND	0.58	ND	--		0.40	ND
1,2,3,7,8,9-HxCDF	(pg/L)	0.23	ND	3.3	ND	0.45	ND	--		0.24	ND
1,2,3,7,8-PeCDD	(pg/L)	0.42	ND	7.2	ND	0.74	ND	--		0.48	ND
1,2,3,7,8-PeCDF	(pg/L)	0.37	ND	5.2	ND	0.67	ND	--		0.33	ND
2,3,4,6,7,8-HxCDF	(pg/L)	0.23	ND	3.2	ND	0.43	ND	--		0.24	ND
2,3,4,7,8-PeCDF	(pg/L)	0.35	ND	4.9	ND	0.63	ND	--		0.31	ND
2,3,7,8-TCDD	(pg/L)	1.0	ND	12	ND	1.8	ND	--		0.90	ND
2,3,7,8-TCDF	(pg/L)	0.76	ND	11	ND	1.4	ND	--		0.63	ND
OCDD	(pg/L)	3.0	J,B	24	J,B,Q	6.3	J,B	--		4.6	J,B
OCDF	(pg/L)	0.62	ND	7.5	ND	0.71	ND	--		1.3	J,B,Q
Total HpCDD	(pg/L)	0.46	ND	7.8	ND	0.73	ND	--		0.47	ND
Total HpCDF	(pg/L)	0.42	ND	4.6	ND	0.88	ND	--		0.57	ND
Total HxCDD	(pg/L)	0.37	ND	4.3	ND	0.61	ND	--		0.42	ND
Total HxCDF	(pg/L)	0.22	ND	3.1	ND	0.41	ND	--		0.42	J,B
Total PeCDD	(pg/L)	0.42	ND	7.2	ND	0.74	ND	--		0.48	ND
Total PeCDF	(pg/L)	0.36	ND	5.0	ND	0.65	ND	--		0.32	ND
Total TCDD	(pg/L)	1.0	ND	12	ND	1.8	ND	--		0.90	ND
Total TCDF	(pg/L)	0.76	ND	11	ND	1.4	ND	--		0.63	ND
MERCURY											
Mercury	(mg/L)	0.00020	ND	IW		0.00020	ND	0.00020	ND	0.00020	ND
METAL											
Aluminum	(mg/L)	0.20	ND	IW		0.20	ND	0.20	ND	0.20	ND
Antimony	(mg/L)	0.060	ND	IW		0.060	ND	0.060	ND	0.060	ND
Arsenic	(mg/L)	0.012	=	IW		0.010	ND	0.010	ND	0.010	ND
Barium	(mg/L)	0.34	=	IW		0.20	ND	0.49	=	0.37	=
Beryllium	(mg/L)	0.0040	ND	IW		0.0040	ND	0.0040	ND	0.0040	ND
Cadmium	(mg/L)	0.0050	ND	IW		0.0050	ND	0.0050	ND	0.0050	ND
Calcium	(mg/L)	105	=	IW		90.1	=	144	=	91.1	=
Chromium	(mg/L)	0.010	ND	IW		0.010	ND	0.010	ND	0.010	ND
Cobalt	(mg/L)	0.050	ND	IW		0.050	ND	0.050	ND	0.050	ND
Copper	(mg/L)	0.025	ND	IW		0.025	ND	0.025	ND	0.025	ND
Iron	(mg/L)	3.5	=	IW		1.5	=	1.0	=	1.8	=
Lead	(mg/L)	0.0030	ND	IW		0.0030	ND	0.0030	ND	0.0030	ND
Magnesium	(mg/L)	47.7	=	IW		40.8	=	61.8	=	35.0	=
Manganese	(mg/L)	0.064	=	IW		0.14	=	0.47	=	0.072	=

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW07A-5000		WP-LF10-MW07C-1000	WP-LF10-MW08A-2-1000		WP-LF10-MW08B-1000		WP-LF10-MW09A-1000	
Sample Date		10/26/00		10/26/00	10/18/00		10/26/00		10/30/00	
METAL										
Nickel	(mg/L)	0.040	ND	IW	0.040	ND	0.040	ND	0.040	ND
Potassium	(mg/L)	5.0	ND	IW	10.6	=	5.0	ND	5.0	ND
Selenium	(mg/L)	0.0050	ND	IW	0.0050	ND	0.0050	ND	0.0050	ND
Silver	(mg/L)	0.010	ND	IW	0.010	ND	0.010	ND	0.010	ND
Sodium	(mg/L)	13.0	=	IW	14.2	=	228	=	7.0	=
Thallium	(mg/L)	0.010	ND	IW	0.010	ND	0.010	ND	0.010	ND
Vanadium	(mg/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
Zinc	(mg/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
PCB										
Aroclor 1016	(ug/L)	(1.0)	ND	IW	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1221	(ug/L)	(1.0)	ND	IW	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1232	(ug/L)	(1.0)	ND	IW	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1242	(ug/L)	(1.0)	ND	IW	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1248	(ug/L)	(1.0)	ND	IW	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1254	(ug/L)	(1.0)	ND	IW	(1.0)	ND	(1.0)	ND	(1.0)	ND
Aroclor 1260	(ug/L)	(1.0)	ND	IW	(1.0)	ND	(1.0)	ND	(1.0)	ND
PEST										
4,4'-DDD	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
4,4'-DDE	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
4,4'-DDT	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
Aldrin	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
Dieldrin	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
Endosulfan I	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
Endosulfan II	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
Endosulfan sulfate	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
Endrin	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
Endrin aldehyde	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
Endrin ketone	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
Heptachlor	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
Heptachlor epoxide	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
Methoxychlor	(ug/L)	0.10	ND	IW	0.10	ND	0.10	ND	0.10	ND
Toxaphene	(ug/L)	2.0	ND	IW	2.0	ND	2.0	ND	2.0	ND
alpha-BHC	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
alpha-Chlordane	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
beta-BHC	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
delta-BHC	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
gamma-BHC (Lindane)	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
gamma-Chlordane	(ug/L)	0.050	ND	IW	0.050	ND	0.050	ND	0.050	ND
SVOC										
1,2,4-Trichlorobenzene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
1,2-Dichlorobenzene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
1,3-Dichlorobenzene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
1,4-Dichlorobenzene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
2,2'-Oxybis(1-Chloropropane)	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
2,4,5-Trichlorophenol	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW07A-5000		WP-LF10-MW07C-1000	WP-LF10-MW08A-2-1000		WP-LF10-MW08B-1000		WP-LF10-MW09A-1000	
Sample Date		10/26/00		10/26/00	10/18/00		10/26/00		10/30/00	
SVOC										
2,4,6-Trichlorophenol	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
2,4-Dichlorophenol	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
2,4-Dimethylphenol	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
2,4-Dinitrophenol	(ug/L)	50	ND	IW	50	ND	50	ND	50	ND
2,4-Dinitrotoluene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
2,6-Dinitrotoluene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
2-Chloronaphthalene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
2-Chlorophenol	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
2-Methylnaphthalene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
2-Methylphenol	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
2-Nitroaniline	(ug/L)	50	ND	IW	50	ND	50	ND	50	ND
2-Nitrophenol	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
3,3'-Dichlorobenzidine	(ug/L)	50	ND	IW	50	ND	50	ND	50	ND
3-Nitroaniline	(ug/L)	50	ND	IW	50	ND	50	ND	50	ND
4,6-Dinitro-2-methylphenol	(ug/L)	50	ND	IW	50	ND	50	ND	50	ND
4-Bromophenyl phenyl ether	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
4-Chloro-3-methylphenol	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
4-Chloroaniline	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
4-Chlorophenyl phenyl ether	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
4-Methylphenol	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
4-Nitroaniline	(ug/L)	50	ND	IW	50	ND	50	ND	50	ND
4-Nitrophenol	(ug/L)	50	ND	IW	50	ND	50	ND	50	ND
Acenaphthene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Acenaphthylene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Anthracene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Benzo(a)anthracene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Benzo(a)pyrene	(ug/L)	(10)	ND	IW	(10)	ND	(10)	ND	(10)	ND
Benzo(b)fluoranthene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Benzo(ghi)perylene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Benzo(k)fluoranthene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Butyl benzyl phthalate	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Carbazole	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Chrysene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Di-n-butyl phthalate	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Di-n-octyl phthalate	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Dibenz(a,h)anthracene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Dibenzofuran	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Diethyl phthalate	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Dimethyl phthalate	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Fluoranthene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Fluorene	(ug/L)	10	ND	IW	10	ND	10	ND	10	ND
Hexachlorobenzene	(ug/L)	(10)	ND	IW	(10)	ND	(10)	ND	(10)	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW07A-5000		WP-LF10-MW07C-1000		WP-LF10-MW08A-2-1000		WP-LF10-MW08B-1000		WP-LF10-MW09A-1000	
Sample Date		10/26/00		10/26/00		10/18/00		10/26/00		10/30/00	
SVOC											
Hexachlorobutadiene	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
Hexachlorocyclopentadiene	(ug/L)	(50)	ND	IW		(50)	ND	(50)	ND	(50)	ND
Hexachloroethane	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
Indeno(1,2,3-cd)pyrene	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
Isophorone	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
N-Nitrosodi-n-propylamine	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
N-Nitrosodiphenylamine	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
Naphthalene	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
Nitrobenzene	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
Pentachlorophenol	(ug/L)	(10)	ND	IW		(10)	ND	(10)	ND	(10)	ND
Phenanthrene	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
Phenol	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
Pyrene	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
bis(2-Chloroethoxy)methane	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
bis(2-Chloroethyl) ether	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
bis(2-Ethylhexyl) phthalate	(ug/L)	10	ND	IW		10	ND	10	ND	10	ND
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	1.3	J,B	1.9	J,B	0.98	J,B	1.5	J,B	1.2	J,B
Benzene	(ug/L)	0.21	J,B	1.1	B	0.12	J	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	0.25	J,B	0.36	J,B	1.0	ND	0.20	J	1.0	ND
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW07A-5000		WP-LF10-MW07C-1000		WP-LF10-MW08A-2-1000		WP-LF10-MW08B-1000		WP-LF10-MW09A-1000	
Sample Date		10/26/00		10/26/00		10/18/00		10/26/00		10/30/00	
VOC											
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	1.0	ND	0.21	J	0.24	J	0.19	J	1.0	ND
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW09B-1000		WP-LF10-MW09C-1000		WP-LF10-MW103-1000		WP-LF10-MW105-1000		WP-LF10-MW10C-1000	
Sample Date		10/26/00		10/30/00		10/26/00		10/26/00		10/30/00	
AMMONIA											
Nitrogen, as Ammonia	(mg/L)	0.2	=	0.4	=	IW		IW		0.2	ND
CYANIDE											
Total Cyanide	(mg/L)	0.010	ND	0.010	ND	IW		IW		0.010	ND
DIOXIN											
1,2,3,4,6,7,8-HpCDD	(pg/L)	0.56	ND	--		0.91	ND	0.40	ND	0.60	J
1,2,3,4,6,7,8-HpCDF	(pg/L)	0.53	ND	--		0.63	ND	0.33	ND	0.50	ND
1,2,3,4,7,8,9-HpCDF	(pg/L)	0.62	ND	--		0.73	ND	0.39	ND	0.58	ND
1,2,3,4,7,8-HxCDD	(pg/L)	0.47	ND	--		0.59	ND	0.27	ND	0.31	ND
1,2,3,4,7,8-HxCDF	(pg/L)	0.22	ND	--		0.31	J,Q	0.38	J,Q	0.16	ND
1,2,3,6,7,8-HxCDD	(pg/L)	0.51	ND	--		0.65	ND	0.29	ND	0.35	ND
1,2,3,6,7,8-HxCDF	(pg/L)	0.22	ND	--		0.27	ND	0.15	ND	0.15	ND
1,2,3,7,8,9-HxCDD	(pg/L)	0.45	ND	--		0.57	ND	0.26	ND	0.30	ND
1,2,3,7,8,9-HxCDF	(pg/L)	0.25	ND	--		0.31	ND	0.17	ND	0.17	ND
1,2,3,7,8-PeCDD	(pg/L)	0.55	ND	--		0.75	ND	0.30	ND	0.46	ND
1,2,3,7,8-PeCDF	(pg/L)	0.43	ND	--		0.55	ND	0.29	ND	0.32	ND
2,3,4,6,7,8-HxCDF	(pg/L)	0.24	ND	--		0.29	ND	0.16	ND	0.17	ND
2,3,4,7,8-PeCDF	(pg/L)	0.40	ND	--		0.51	ND	0.27	ND	0.30	ND
2,3,7,8-TCDD	(pg/L)	1.4	ND	--		1.4	ND	0.67	ND	0.85	ND
2,3,7,8-TCDF	(pg/L)	0.92	ND	--		1.1	ND	0.53	ND	0.55	ND
OCDD	(pg/L)	4.1	J,B,Q	--		10	J,B	2.7	J,B	3.9	J,B
OCDF	(pg/L)	1.9	J,Q	--		1.1	ND	0.73	J	0.98	J,B,Q
Total HpCDD	(pg/L)	0.56	ND	--		1.3	J,Q	0.40	ND	0.60	J
Total HpCDF	(pg/L)	0.57	ND	--		0.67	ND	0.36	ND	0.53	ND
Total HxCDD	(pg/L)	0.48	ND	--		0.61	ND	0.27	ND	0.32	ND
Total HxCDF	(pg/L)	0.23	ND	--		1.2	J,Q	0.38	J,Q	0.16	ND
Total PeCDD	(pg/L)	0.55	ND	--		0.75	ND	0.30	ND	0.46	ND
Total PeCDF	(pg/L)	0.42	ND	--		2.4	J,Q	0.28	ND	0.31	ND
Total TCDD	(pg/L)	1.4	ND	--		1.4	ND	0.67	ND	0.85	ND
Total TCDF	(pg/L)	0.92	ND	--		5.6	J,Q	0.53	ND	0.55	ND
MERCURY											
Mercury	(mg/L)	0.00020	ND	0.00020	ND	0.00020	ND	IW		0.00020	ND
METAL											
Aluminum	(mg/L)	0.20	ND	0.20	ND	1.2	=	IW		0.20	ND
Antimony	(mg/L)	0.060	ND	0.060	ND	0.060	ND	IW		0.060	ND
Arsenic	(mg/L)	0.015	=	0.016	=	0.047	=	IW		0.010	ND
Barium	(mg/L)	0.34	=	0.32	=	0.59	=	IW		0.20	ND
Beryllium	(mg/L)	0.0040	ND	0.0040	ND	0.0040	ND	IW		0.0040	ND
Cadmium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	IW		0.0050	ND
Calcium	(mg/L)	109	=	95.1	=	124	=	IW		117	=
Chromium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	IW		0.010	ND
Cobalt	(mg/L)	0.050	ND	0.050	ND	0.050	ND	IW		0.050	ND
Copper	(mg/L)	0.025	ND	0.025	ND	0.025	ND	IW		0.025	ND
Iron	(mg/L)	7.8	=	6.7	=	13.4	=	IW		0.60	=
Lead	(mg/L)	0.0030	ND	0.0030	ND	0.0030	ND	IW		0.0030	ND
Magnesium	(mg/L)	66.6	=	68.6	=	54.2	=	IW		48.9	=
Manganese	(mg/L)	0.034	=	0.031	=	0.089	=	IW		0.045	=

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW09B-1000		WP-LF10-MW09C-1000		WP-LF10-MW103-1000		WP-LF10-MW105-1000		WP-LF10-MW10C-1000	
Sample Date		10/26/00		10/30/00		10/26/00		10/26/00		10/30/00	
METAL											
Nickel	(mg/L)	0.040	ND	0.040	ND	0.040	ND	IW		0.040	ND
Potassium	(mg/L)	5.0	ND	5.0	ND	10.6	=	IW		5.0	ND
Selenium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	IW		0.0050	ND
Silver	(mg/L)	0.010	ND	0.010	ND	0.010	ND	IW		0.010	ND
Sodium	(mg/L)	78.5	=	86.7	=	47.3	=	IW		10.4	=
Thallium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	IW		0.010	ND
Vanadium	(mg/L)	0.050	ND	0.050	ND	0.050	ND	IW		0.050	ND
Zinc	(mg/L)	0.050	ND	0.050	ND	0.066	=	IW		0.050	ND
PCB											
Aroclor 1016	(ug/L)	(1.0)	ND	(1.0)	ND	IW		IW		(1.0)	ND
Aroclor 1221	(ug/L)	(1.0)	ND	(1.0)	ND	IW		IW		(1.0)	ND
Aroclor 1232	(ug/L)	(1.0)	ND	(1.0)	ND	IW		IW		(1.0)	ND
Aroclor 1242	(ug/L)	(1.0)	ND	(1.0)	ND	IW		IW		(1.0)	ND
Aroclor 1248	(ug/L)	(1.0)	ND	(1.0)	ND	IW		IW		(1.0)	ND
Aroclor 1254	(ug/L)	(1.0)	ND	(1.0)	ND	IW		IW		(1.0)	ND
Aroclor 1260	(ug/L)	(1.0)	ND	(1.0)	ND	IW		IW		(1.0)	ND
PEST											
4,4'-DDD	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
4,4'-DDE	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
4,4'-DDT	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
Aldrin	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
Dieldrin	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
Endosulfan I	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
Endosulfan II	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
Endosulfan sulfate	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
Endrin	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
Endrin aldehyde	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
Endrin ketone	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
Heptachlor	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
Heptachlor epoxide	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
Methoxychlor	(ug/L)	0.10	ND	0.10	ND	IW		IW		0.10	ND
Toxaphene	(ug/L)	2.0	ND	2.0	ND	IW		IW		2.0	ND
alpha-BHC	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
alpha-Chlordane	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
beta-BHC	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
delta-BHC	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
gamma-BHC (Lindane)	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
gamma-Chlordane	(ug/L)	0.050	ND	0.050	ND	IW		IW		0.050	ND
SVOC											
1,2,4-Trichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,3-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
1,4-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,2'-Oxybis(1-Chloropropane)	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4,5-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW09B-1000		WP-LF10-MW09C-1000		WP-LF10-MW103-1000		WP-LF10-MW105-1000		WP-LF10-MW10C-1000	
Sample Date		10/26/00		10/30/00		10/26/00		10/26/00		10/30/00	
SVOC											
2,4,6-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dichlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dimethylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dinitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2,4-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2,6-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chloronaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chlorophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylnaphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
2-Nitrophenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
3,3'-Dichlorobenzidine	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
3-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4,6-Dinitro-2-methylphenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Bromophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloro-3-methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloroaniline	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chlorophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
4-Nitrophenol	(ug/L)	50	ND	50	ND	50	ND	50	ND	50	ND
Acenaphthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acenaphthylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(a)pyrene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Benzo(b)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(ghi)perylene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo(k)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Butyl benzyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Carbazole	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Chrysene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-butyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-octyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenz(a,h)anthracene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenzofuran	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Diethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Dimethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluoranthene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Fluorene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorobenzene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW09B-1000		WP-LF10-MW09C-1000		WP-LF10-MW103-1000		WP-LF10-MW105-1000		WP-LF10-MW10C-1000	
Sample Date		10/26/00		10/30/00		10/26/00		10/26/00		10/30/00	
SVOC											
Hexachlorobutadiene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorocyclopentadiene	(ug/L)	(50)	ND	(50)	ND	(50)	ND	(50)	ND	(50)	ND
Hexachloroethane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Indeno(1,2,3-cd)pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Isophorone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodi-n-propylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
N-Nitrosodiphenylamine	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Naphthalene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Nitrobenzene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pentachlorophenol	(ug/L)	(10)	ND	(10)	ND	(10)	ND	(10)	ND	(10)	ND
Phenanthrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Phenol	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Pyrene	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethoxy)methane	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethyl) ether	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Ethylhexyl) phthalate	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	0.51	J	0.81	J	0.50	J	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	0.37	J	0.54	J	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	0.15	J	0.16	J	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	2.4	J,B	10	ND	2.1	J,B	1.2	J,B	1.2	J,B
Benzene	(ug/L)	1.4	B	3.8	=	2.1	=	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	3.6	=	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	0.12	J	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	0.29	J,B	0.34	J,B	0.32	J	0.22	J	0.23	J,B
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW09B-1000		WP-LF10-MW09C-1000		WP-LF10-MW103-1000		WP-LF10-MW105-1000		WP-LF10-MW10C-1000	
Sample Date		10/26/00		10/30/00		10/26/00		10/26/00		10/30/00	
VOC											
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	0.25	J	0.47	J	0.24	J	0.19	J	0.13	J
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	0.46	J	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.20	J	0.15	J	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW11A-1000		WP-LF10-MW11A-5000		WP-LF10-MW11B-1000		TB-102400	TB-102500
Sample Date		10/30/00		10/30/00		10/30/00		10/24/00	10/25/00
AMMONIA									
Nitrogen, as Ammonia	(mg/L)	0.2	ND	0.2	ND	0.2	ND	--	--
CYANIDE									
Total Cyanide	(mg/L)	0.010	ND	0.010	ND	0.010	ND	--	--
DIOXIN									
1,2,3,4,6,7,8-HpCDD	(pg/L)	0.43	ND	0.49	ND	0.41	ND	--	--
1,2,3,4,6,7,8-HpCDF	(pg/L)	0.45	ND	0.65	ND	0.45	ND	--	--
1,2,3,4,7,8,9-HpCDF	(pg/L)	0.53	ND	0.76	ND	0.53	ND	--	--
1,2,3,4,7,8-HxCDD	(pg/L)	0.41	ND	0.43	ND	0.32	ND	--	--
1,2,3,4,7,8-HxCDF	(pg/L)	0.41	J,B	0.23	ND	0.39	J,B	--	--
1,2,3,6,7,8-HxCDD	(pg/L)	0.45	ND	0.48	ND	0.35	ND	--	--
1,2,3,6,7,8-HxCDF	(pg/L)	0.20	ND	0.22	ND	0.14	ND	--	--
1,2,3,7,8,9-HxCDD	(pg/L)	0.39	ND	0.42	ND	0.31	ND	--	--
1,2,3,7,8,9-HxCDF	(pg/L)	0.23	ND	0.26	ND	0.16	ND	--	--
1,2,3,7,8-PeCDD	(pg/L)	0.52	ND	0.53	ND	0.40	ND	--	--
1,2,3,7,8-PeCDF	(pg/L)	0.36	ND	0.35	ND	0.27	ND	--	--
2,3,4,6,7,8-HxCDF	(pg/L)	0.22	ND	0.25	ND	0.15	ND	--	--
2,3,4,7,8-PeCDF	(pg/L)	0.34	ND	0.33	ND	0.26	ND	--	--
2,3,7,8-TCDD	(pg/L)	6.0	J,Q	0.93	ND	0.77	ND	--	--
2,3,7,8-TCDF	(pg/L)	0.69	ND	0.66	ND	0.54	ND	--	--
OCDD	(pg/L)	1.7	J,B,Q	1.6	J,B,Q	2.4	J,B	--	--
OCDF	(pg/L)	0.49	ND	0.53	ND	0.36	ND	--	--
Total HpCDD	(pg/L)	0.43	ND	0.49	ND	0.41	ND	--	--
Total HpCDF	(pg/L)	0.49	ND	0.70	ND	0.49	ND	--	--
Total HxCDD	(pg/L)	0.41	ND	0.44	ND	0.32	ND	--	--
Total HxCDF	(pg/L)	0.41	J,B	0.24	ND	0.39	J,B	--	--
Total PeCDD	(pg/L)	0.52	ND	0.53	ND	0.40	ND	--	--
Total PeCDF	(pg/L)	0.35	ND	0.34	ND	0.27	ND	--	--
Total TCDD	(pg/L)	6.0	J,Q	0.93	ND	0.77	ND	--	--
Total TCDF	(pg/L)	0.69	ND	0.66	ND	0.54	ND	--	--
MERCURY									
Mercury	(mg/L)	0.00020	ND	0.00020	ND	0.00020	ND	--	--
METAL									
Aluminum	(mg/L)	0.20	ND	0.20	ND	0.20	ND	--	--
Antimony	(mg/L)	0.060	ND	0.060	ND	0.060	ND	--	--
Arsenic	(mg/L)	0.010	ND	0.010	ND	0.010	ND	--	--
Barium	(mg/L)	0.28	=	0.28	=	0.27	=	--	--
Beryllium	(mg/L)	0.0040	ND	0.0040	ND	0.0040	ND	--	--
Cadmium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	--	--
Calcium	(mg/L)	90.9	=	92.8	=	142	=	--	--
Chromium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	--	--
Cobalt	(mg/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Copper	(mg/L)	0.025	ND	0.025	ND	0.025	ND	--	--
Iron	(mg/L)	1.2	=	1.2	=	3.1	=	--	--
Lead	(mg/L)	0.0030	ND	0.0030	ND	0.0030	ND	--	--
Magnesium	(mg/L)	35.2	=	36.0	=	54.2	=	--	--
Manganese	(mg/L)	0.081	=	0.083	=	0.062	=	--	--

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW11A-1000		WP-LF10-MW11A-5000		WP-LF10-MW11B-1000		TB-102400	TB-102500
Sample Date		10/30/00		10/30/00		10/30/00		10/24/00	10/25/00
METAL									
Nickel	(mg/L)	0.040	ND	0.040	ND	0.040	ND	--	--
Potassium	(mg/L)	5.0	ND	5.0	ND	5.0	ND	--	--
Selenium	(mg/L)	0.0050	ND	0.0050	ND	0.0050	ND	--	--
Silver	(mg/L)	0.010	ND	0.010	ND	0.010	ND	--	--
Sodium	(mg/L)	7.4	=	7.6	=	15.0	=	--	--
Thallium	(mg/L)	0.010	ND	0.010	ND	0.010	ND	--	--
Vanadium	(mg/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Zinc	(mg/L)	0.050	ND	0.050	ND	0.050	ND	--	--
PCB									
Aroclor 1016	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	--	--
Aroclor 1221	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	--	--
Aroclor 1232	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	--	--
Aroclor 1242	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	--	--
Aroclor 1248	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	--	--
Aroclor 1254	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	--	--
Aroclor 1260	(ug/L)	(1.0)	ND	(1.0)	ND	(1.0)	ND	--	--
PEST									
4,4'-DDD	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
4,4'-DDE	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
4,4'-DDT	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Aldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Dieldrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Endosulfan I	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Endosulfan II	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Endosulfan sulfate	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Endrin	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Endrin aldehyde	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Endrin ketone	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Heptachlor	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Heptachlor epoxide	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
Methoxychlor	(ug/L)	0.10	ND	0.10	ND	0.10	ND	--	--
Toxaphene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	--	--
alpha-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
alpha-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
beta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
delta-BHC	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
gamma-BHC (Lindane)	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
gamma-Chlordane	(ug/L)	0.050	ND	0.050	ND	0.050	ND	--	--
SVOC									
1,2,4-Trichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	--	--
1,2-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	--	--
1,3-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	--	--
1,4-Dichlorobenzene	(ug/L)	10	ND	10	ND	10	ND	--	--
2,2'-Oxybis(1-Chloropropane)	(ug/L)	10	ND	10	ND	10	ND	--	--
2,4,5-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	--	--

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW11A-1000		WP-LF10-MW11A-5000		WP-LF10-MW11B-1000		TB-102400	TB-102500
Sample Date		10/30/00		10/30/00		10/30/00		10/24/00	10/25/00
SVOC									
2,4,6-Trichlorophenol	(ug/L)	10	ND	10	ND	10	ND	--	--
2,4-Dichlorophenol	(ug/L)	10	ND	10	ND	10	ND	--	--
2,4-Dimethylphenol	(ug/L)	10	ND	10	ND	10	ND	--	--
2,4-Dinitrophenol	(ug/L)	50	ND	50	ND	50	ND	--	--
2,4-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	--	--
2,6-Dinitrotoluene	(ug/L)	10	ND	10	ND	10	ND	--	--
2-Chloronaphthalene	(ug/L)	10	ND	10	ND	10	ND	--	--
2-Chlorophenol	(ug/L)	10	ND	10	ND	10	ND	--	--
2-Methylnaphthalene	(ug/L)	10	ND	10	ND	10	ND	--	--
2-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	--	--
2-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	--	--
2-Nitrophenol	(ug/L)	10	ND	10	ND	10	ND	--	--
3,3'-Dichlorobenzidine	(ug/L)	50	ND	50	ND	50	ND	--	--
3-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	--	--
4,6-Dinitro-2-methylphenol	(ug/L)	50	ND	50	ND	50	ND	--	--
4-Bromophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	--	--
4-Chloro-3-methylphenol	(ug/L)	10	ND	10	ND	10	ND	--	--
4-Chloroaniline	(ug/L)	10	ND	10	ND	10	ND	--	--
4-Chlorophenyl phenyl ether	(ug/L)	10	ND	10	ND	10	ND	--	--
4-Methylphenol	(ug/L)	10	ND	10	ND	10	ND	--	--
4-Nitroaniline	(ug/L)	50	ND	50	ND	50	ND	--	--
4-Nitrophenol	(ug/L)	50	ND	50	ND	50	ND	--	--
Acenaphthene	(ug/L)	10	ND	10	ND	10	ND	--	--
Acenaphthylene	(ug/L)	10	ND	10	ND	10	ND	--	--
Anthracene	(ug/L)	10	ND	10	ND	10	ND	--	--
Benzo(a)anthracene	(ug/L)	10	ND	10	ND	10	ND	--	--
Benzo(a)pyrene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	--	--
Benzo(b)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	--	--
Benzo(ghi)perylene	(ug/L)	10	ND	10	ND	10	ND	--	--
Benzo(k)fluoranthene	(ug/L)	10	ND	10	ND	10	ND	--	--
Butyl benzyl phthalate	(ug/L)	10	ND	10	ND	10	ND	--	--
Carbazole	(ug/L)	10	ND	10	ND	10	ND	--	--
Chrysene	(ug/L)	10	ND	10	ND	10	ND	--	--
Di-n-butyl phthalate	(ug/L)	10	ND	10	ND	10	ND	--	--
Di-n-octyl phthalate	(ug/L)	10	ND	10	ND	10	ND	--	--
Dibenz(a,h)anthracene	(ug/L)	10	ND	10	ND	10	ND	--	--
Dibenzofuran	(ug/L)	10	ND	10	ND	10	ND	--	--
Diethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	--	--
Dimethyl phthalate	(ug/L)	10	ND	10	ND	10	ND	--	--
Fluoranthene	(ug/L)	10	ND	10	ND	10	ND	--	--
Fluorene	(ug/L)	10	ND	10	ND	10	ND	--	--
Hexachlorobenzene	(ug/L)	(10)	ND	(10)	ND	(10)	ND	--	--

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW11A-1000		WP-LF10-MW11A-5000		WP-LF10-MW11B-1000		TB-102400		TB-102500	
Sample Date		10/30/00		10/30/00		10/30/00		10/24/00		10/25/00	
SVOC											
Hexachlorobutadiene	(ug/L)	10	ND	10	ND	10	ND	--		--	
Hexachlorocyclopentadiene	(ug/L)	(50)	ND	(50)	ND	(50)	ND	--		--	
Hexachloroethane	(ug/L)	10	ND	10	ND	10	ND	--		--	
Indeno(1,2,3-cd)pyrene	(ug/L)	10	ND	10	ND	10	ND	--		--	
Isophorone	(ug/L)	10	ND	10	ND	10	ND	--		--	
N-Nitrosodi-n-propylamine	(ug/L)	10	ND	10	ND	10	ND	--		--	
N-Nitrosodiphenylamine	(ug/L)	10	ND	10	ND	10	ND	--		--	
Naphthalene	(ug/L)	10	ND	10	ND	10	ND	--		--	
Nitrobenzene	(ug/L)	10	ND	10	ND	10	ND	--		--	
Pentachlorophenol	(ug/L)	(10)	ND	(10)	ND	(10)	ND	--		--	
Phenanthrene	(ug/L)	10	ND	10	ND	10	ND	--		--	
Phenol	(ug/L)	10	ND	10	ND	10	ND	--		--	
Pyrene	(ug/L)	10	ND	10	ND	10	ND	--		--	
bis(2-Chloroethoxy)methane	(ug/L)	10	ND	10	ND	10	ND	--		--	
bis(2-Chloroethyl) ether	(ug/L)	10	ND	10	ND	10	ND	--		--	
bis(2-Ethylhexyl) phthalate	(ug/L)	5.6	J	10	ND	10	ND	--		--	
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	1.1	J,B	1.2	J,B	1.2	J,B	1.2	J,B	0.82	J,B
Benzene	(ug/L)	0.13	J	0.14	J	0.44	J	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	0.22	J,B	0.26	J,B	1.0	ND	0.33	J,B	0.29	J
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		WP-LF10-MW11A-1000		WP-LF10-MW11A-5000		WP-LF10-MW11B-1000		TB-102400		TB-102500	
Sample Date		10/30/00		10/30/00		10/30/00		10/24/00		10/25/00	
VOC											
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	0.32	J	0.30	J	1.2	=	1.0	ND	1.0	ND
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	0.69	J	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		TB-103000	TB-103100	TRIP BLANK	TRIP BLANKS
Sample Date		10/30/00	10/31/00	10/26/00	10/27/00
AMMONIA					
Nitrogen, as Ammonia	(mg/L)	--	--	--	--
CYANIDE					
Total Cyanide	(mg/L)	--	--	--	--
DIOXIN					
1,2,3,4,6,7,8-HpCDD	(pg/L)	--	--	--	--
1,2,3,4,6,7,8-HpCDF	(pg/L)	--	--	--	--
1,2,3,4,7,8,9-HpCDF	(pg/L)	--	--	--	--
1,2,3,4,7,8-HxCDD	(pg/L)	--	--	--	--
1,2,3,4,7,8-HxCDF	(pg/L)	--	--	--	--
1,2,3,6,7,8-HxCDD	(pg/L)	--	--	--	--
1,2,3,6,7,8-HxCDF	(pg/L)	--	--	--	--
1,2,3,7,8,9-HxCDD	(pg/L)	--	--	--	--
1,2,3,7,8,9-HxCDF	(pg/L)	--	--	--	--
1,2,3,7,8-PeCDD	(pg/L)	--	--	--	--
1,2,3,7,8-PeCDF	(pg/L)	--	--	--	--
2,3,4,6,7,8-HxCDF	(pg/L)	--	--	--	--
2,3,4,7,8-PeCDF	(pg/L)	--	--	--	--
2,3,7,8-TCDD	(pg/L)	--	--	--	--
2,3,7,8-TCDF	(pg/L)	--	--	--	--
OCDD	(pg/L)	--	--	--	--
OCDF	(pg/L)	--	--	--	--
Total HpCDD	(pg/L)	--	--	--	--
Total HpCDF	(pg/L)	--	--	--	--
Total HxCDD	(pg/L)	--	--	--	--
Total HxCDF	(pg/L)	--	--	--	--
Total PeCDD	(pg/L)	--	--	--	--
Total PeCDF	(pg/L)	--	--	--	--
Total TCDD	(pg/L)	--	--	--	--
Total TCDF	(pg/L)	--	--	--	--
MERCURY					
Mercury	(mg/L)	--	--	--	--
METAL					
Aluminum	(mg/L)	--	--	--	--
Antimony	(mg/L)	--	--	--	--
Arsenic	(mg/L)	--	--	--	--
Barium	(mg/L)	--	--	--	--
Beryllium	(mg/L)	--	--	--	--
Cadmium	(mg/L)	--	--	--	--
Calcium	(mg/L)	--	--	--	--
Chromium	(mg/L)	--	--	--	--
Cobalt	(mg/L)	--	--	--	--
Copper	(mg/L)	--	--	--	--
Iron	(mg/L)	--	--	--	--
Lead	(mg/L)	--	--	--	--
Magnesium	(mg/L)	--	--	--	--
Manganese	(mg/L)	--	--	--	--

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		TB-103000	TB-103100	TRIP BLANK	TRIP BLANKS
Sample Date		10/30/00	10/31/00	10/26/00	10/27/00
METAL					
Nickel	(mg/L)	--	--	--	--
Potassium	(mg/L)	--	--	--	--
Selenium	(mg/L)	--	--	--	--
Silver	(mg/L)	--	--	--	--
Sodium	(mg/L)	--	--	--	--
Thallium	(mg/L)	--	--	--	--
Vanadium	(mg/L)	--	--	--	--
Zinc	(mg/L)	--	--	--	--
PCB					
Aroclor 1016	(ug/L)	--	--	--	--
Aroclor 1221	(ug/L)	--	--	--	--
Aroclor 1232	(ug/L)	--	--	--	--
Aroclor 1242	(ug/L)	--	--	--	--
Aroclor 1248	(ug/L)	--	--	--	--
Aroclor 1254	(ug/L)	--	--	--	--
Aroclor 1260	(ug/L)	--	--	--	--
PEST					
4,4'-DDD	(ug/L)	--	--	--	--
4,4'-DDE	(ug/L)	--	--	--	--
4,4'-DDT	(ug/L)	--	--	--	--
Aldrin	(ug/L)	--	--	--	--
Dieldrin	(ug/L)	--	--	--	--
Endosulfan I	(ug/L)	--	--	--	--
Endosulfan II	(ug/L)	--	--	--	--
Endosulfan sulfate	(ug/L)	--	--	--	--
Endrin	(ug/L)	--	--	--	--
Endrin aldehyde	(ug/L)	--	--	--	--
Endrin ketone	(ug/L)	--	--	--	--
Heptachlor	(ug/L)	--	--	--	--
Heptachlor epoxide	(ug/L)	--	--	--	--
Methoxychlor	(ug/L)	--	--	--	--
Toxaphene	(ug/L)	--	--	--	--
alpha-BHC	(ug/L)	--	--	--	--
alpha-Chlordane	(ug/L)	--	--	--	--
beta-BHC	(ug/L)	--	--	--	--
delta-BHC	(ug/L)	--	--	--	--
gamma-BHC (Lindane)	(ug/L)	--	--	--	--
gamma-Chlordane	(ug/L)	--	--	--	--
SVOC					
1,2,4-Trichlorobenzene	(ug/L)	--	--	--	--
1,2-Dichlorobenzene	(ug/L)	--	--	--	--
1,3-Dichlorobenzene	(ug/L)	--	--	--	--
1,4-Dichlorobenzene	(ug/L)	--	--	--	--
2,2'-Oxybis(1-Chloropropane)	(ug/L)	--	--	--	--
2,4,5-Trichlorophenol	(ug/L)	--	--	--	--

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		TB-103000	TB-103100	TRIP BLANK	TRIP BLANKS
Sample Date		10/30/00	10/31/00	10/26/00	10/27/00
SVOC					
2,4,6-Trichlorophenol	(ug/L)	--	--	--	--
2,4-Dichlorophenol	(ug/L)	--	--	--	--
2,4-Dimethylphenol	(ug/L)	--	--	--	--
2,4-Dinitrophenol	(ug/L)	--	--	--	--
2,4-Dinitrotoluene	(ug/L)	--	--	--	--
2,6-Dinitrotoluene	(ug/L)	--	--	--	--
2-Chloronaphthalene	(ug/L)	--	--	--	--
2-Chlorophenol	(ug/L)	--	--	--	--
2-Methylnaphthalene	(ug/L)	--	--	--	--
2-Methylphenol	(ug/L)	--	--	--	--
2-Nitroaniline	(ug/L)	--	--	--	--
2-Nitrophenol	(ug/L)	--	--	--	--
3,3'-Dichlorobenzidine	(ug/L)	--	--	--	--
3-Nitroaniline	(ug/L)	--	--	--	--
4,6-Dinitro-2-methylphenol	(ug/L)	--	--	--	--
4-Bromophenyl phenyl ether	(ug/L)	--	--	--	--
4-Chloro-3-methylphenol	(ug/L)	--	--	--	--
4-Chloroaniline	(ug/L)	--	--	--	--
4-Chlorophenyl phenyl ether	(ug/L)	--	--	--	--
4-Methylphenol	(ug/L)	--	--	--	--
4-Nitroaniline	(ug/L)	--	--	--	--
4-Nitrophenol	(ug/L)	--	--	--	--
Acenaphthene	(ug/L)	--	--	--	--
Acenaphthylene	(ug/L)	--	--	--	--
Anthracene	(ug/L)	--	--	--	--
Benzo(a)anthracene	(ug/L)	--	--	--	--
Benzo(a)pyrene	(ug/L)	--	--	--	--
Benzo(b)fluoranthene	(ug/L)	--	--	--	--
Benzo(ghi)perylene	(ug/L)	--	--	--	--
Benzo(k)fluoranthene	(ug/L)	--	--	--	--
Butyl benzyl phthalate	(ug/L)	--	--	--	--
Carbazole	(ug/L)	--	--	--	--
Chrysene	(ug/L)	--	--	--	--
Di-n-butyl phthalate	(ug/L)	--	--	--	--
Di-n-octyl phthalate	(ug/L)	--	--	--	--
Dibenz(a,h)anthracene	(ug/L)	--	--	--	--
Dibenzofuran	(ug/L)	--	--	--	--
Diethyl phthalate	(ug/L)	--	--	--	--
Dimethyl phthalate	(ug/L)	--	--	--	--
Fluoranthene	(ug/L)	--	--	--	--
Fluorene	(ug/L)	--	--	--	--
Hexachlorobenzene	(ug/L)	--	--	--	--

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		TB-103000		TB-103100		TRIP BLANK		TRIP BLANKS	
Sample Date		10/30/00		10/31/00		10/26/00		10/27/00	
SVOC									
Hexachlorobutadiene	(ug/L)	--		--		--		--	
Hexachlorocyclopentadiene	(ug/L)	--		--		--		--	
Hexachloroethane	(ug/L)	--		--		--		--	
Indeno(1,2,3-cd)pyrene	(ug/L)	--		--		--		--	
Isophorone	(ug/L)	--		--		--		--	
N-Nitrosodi-n-propylamine	(ug/L)	--		--		--		--	
N-Nitrosodiphenylamine	(ug/L)	--		--		--		--	
Naphthalene	(ug/L)	--		--		--		--	
Nitrobenzene	(ug/L)	--		--		--		--	
Pentachlorophenol	(ug/L)	--		--		--		--	
Phenanthrene	(ug/L)	--		--		--		--	
Phenol	(ug/L)	--		--		--		--	
Pyrene	(ug/L)	--		--		--		--	
bis(2-Chloroethoxy)methane	(ug/L)	--		--		--		--	
bis(2-Chloroethyl) ether	(ug/L)	--		--		--		--	
bis(2-Ethylhexyl) phthalate	(ug/L)	--		--		--		--	
VOC									
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	0.37	J	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	0.89	J,B	1.2	J,B	2.2	J,B	1.2	J,B
Benzene	(ug/L)	1.0	ND	1.0	ND	0.12	J	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	1.0	ND	0.26	J	0.30	J	0.29	J
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - OU1 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		TB-103000		TB-103100		TRIP BLANK		TRIP BLANKS	
Sample Date		10/30/00		10/31/00		10/26/00		10/27/00	
VOC									
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	1.0	ND	1.0	ND	0.55	J	1.0	ND
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND

-- = Not Applicable, ND = Not Detected, ()=Result Exceeds MCL Value, [ ]=Result Exceeds Background Value

Wright-Patterson AFB
October 2000 - LF8/10 Data - GROUND WATER
The IT Group, Project 777097

Sample Number	WP-LF8/10-LW1000-100
Sample Date	10/31/00

E150.1			
pH (liquid)	(No Units	7.0	=
E160.2			
Total Suspended Solids	(mg/L)	15	=
E410.4			
Chemical Oxygen Demand (COD)	(mg/L)	45	=
E413.1			
Oil and Grease (Gravimetric)	(mg/L)	5.0	ND
MERCURY			
Mercury	(mg/L)	0.00020	ND
METAL			
Aluminum	(mg/L)	0.20	ND
Antimony	(mg/L)	0.060	ND
Arsenic	(mg/L)	0.010	ND
Barium	(mg/L)	0.60	=
Beryllium	(mg/L)	0.0040	ND
Cadmium	(mg/L)	0.0050	ND
Calcium	(mg/L)	166	=
Chromium	(mg/L)	0.010	ND
Cobalt	(mg/L)	0.050	ND
Copper	(mg/L)	0.025	ND
Iron	(mg/L)	6.3	=
Lead	(mg/L)	0.0030	ND
Magnesium	(mg/L)	74.3	=
Manganese	(mg/L)	0.15	=
Molybdenum	(mg/L)	0.010	ND
Nickel	(mg/L)	0.040	ND
Potassium	(mg/L)	5.4	=
Selenium	(mg/L)	0.0050	ND
Silver	(mg/L)	0.010	ND
Sodium	(mg/L)	150	=
Thallium	(mg/L)	0.010	ND
Vanadium	(mg/L)	0.050	ND
Zinc	(mg/L)	0.050	ND
VOC			
1,1,1-Trichloroethane	(ug/L)	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND
2-Butanone	(ug/L)	10	ND
2-Hexanone	(ug/L)	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND
Acetone	(ug/L)	2.5	J,B
Benzene	(ug/L)	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND
Bromoform	(ug/L)	1.0	ND

Wright-Patterson AFB
October 2000 - LF8/10 Data - GROUND WATER
The IT Group, Project 777097

Sample Number	WP-LF8/10-LW1000-100
Sample Date	10/31/00

VOC			
Bromomethane	(ug/L)	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND
Chloroethane	(ug/L)	2.0	ND
Chloroform	(ug/L)	1.0	ND
Chloromethane	(ug/L)	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND
Methylene chloride	(ug/L)	0.21	J
Styrene	(ug/L)	1.0	ND
Tetrachloroethene	(ug/L)	1.0	ND
Toluene	(ug/L)	0.20	J
Trichloroethene	(ug/L)	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND

-- = Not Applicable, ND = Not Detected, ()=Result Exceeds MCL Value, [ ]=Result Exceeds Background Value

Appendix D

OU5 Water Level Monitoring Field Logs

IT Personnel: G. Plamondon
M. Woodruff

OU5 Monthly Water Levels for the LTM Program
Wright-Patterson AFB, Ohio

Date: May 16, 2000

	Well No.	Location	Owner	TOC Elevation (ft, MSL)	Screened interval (ft)	Log Time (xxxx)	Well Secure (Y/N)	LEL Readin (%)	PID Reading (ppm)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Comments
1	08-020-M	WPAFB	WPAFB	791.10	11.0 - 21.0		Y			11.08	11.34	
2	08-021-M	WPAFB	WPAFB	790.69	13.0 - 23.0		Y			11.05	11.62	
3	08-022-M	WPAFB	WPAFB	796.00	26.0 - 36.0		Y			14.53	14.70	Top of Riser - not TOPC
4	08-023-M	WPAFB	WPAFB	791.74	24.0 - 34.0		Y			6.40	6.60	
5	08-523-M	WPAFB	WPAFB	790.61	5.5 - 15.5		Y			6.15	6.73	
6	08-524-M	WPAFB	WPAFB	789.78	5.4 - 15.4		Y			6.47	6.85	
7	08-525-M	WPAFB	WPAFB	791.84	6.0 - 16.5		Y			9.74	10.13	
8	08-526-M	MCD	WPAFB	791.03	6.4 16.4		Y			10.84		
9	08-527-M	MCD	WPAFB	789.13	6.0 - 16.0		Y			--		Birds nest
10	08-528-M	MCD	WPAFB	790.25	7.5 - 17.5		Y			10.96	11.33	
11	CW04-060	WPAFB	WPAFB	792.08	49.7 - 59.7		Y			12.09	12.35	
12	CW04-085	WPAFB	WPAFB	790.07	74.0 - 84.0		Y					
13	CW05-055	WPAFB	WPAFB	793.58	45.0 - 55.0		Y			14.30	14.80	
14	CW05-085	WPAFB	WPAFB	793.86	75.0 - 85.0		Y			14.83	15.18	
15	CW06-077	WPAFB	WPAFB	793.34	67.0 - 77.0		Y					
16	CW07-055	WPAFB	WPAFB	791.89	44.5 - 54.5		Y			12.64		
17	CW07-100	WPAFB	WPAFB	791.76	90.0 - 100.0		Y			9.52	9.84	
18	CW08-017	WPAFB	WPAFB	792.79	7.3 - 17.3		Y			10.37	10.60	
19	CW08-055	WPAFB	WPAFB	792.86	44.7 - 54.7		Y			9.22	9.26	
20	CW08-110	WPAFB	WPAFB	791.39	00.0 - 110.0		Y			8.25	8.44	
21	CW09-073	MCD	WPAFB	791.32	63 - 73		Y			12.00		
22	CW12-085	WPAFB	WPAFB	789.98	75 - 85		Y			5.42	6.05	
23	CW13-085	WPAFB	WPAFB	791.63	75 - 85		Y			5.86	9.27	
24	CW15-055	MCD	WPAFB	792.09	45.0 - 55.0		Y			11.31	11.58	River
25	CW21-040	WPAFB	WPAFB	795.31	30.0 - 40.0		Y			12.35		water in well-good cap
26	MW130S	MCD	Dayton	792.49	29 - 39		Y			12.12		
27	MW131M	MCD	Dayton	787.31	58.3 - 68.3		Y			7.67		
28	MW131D	MCD	Dayton	788.32	05.4 - 115.4		Y			8.53		
29	MW132S	MCD	Dayton	789.78	38.5 - 48.5		Y			10.95		
30	MW133S	MCD	Dayton	789.66	43.4 - 53.4		Y			10.41		
31	MW133D	MCD	Dayton	789.03	59.5 - 69.5		Y			9.92		
32	HD-10D	MCD	Dayton	792.99	59.0 - 69.0		Y			13.34		
33	HD-11D	MCD	Dayton	791.61	71.0 - 81.0		Y			12.37		
34	HD-12S	MCD	Dayton	791.31	14.0 - 24.0		Y			11.67		
35	HD-12M	MCD	Dayton	792.21	44.0 - 54.0		Y			12.48		
36	HD-13D	MCD	Dayton	790.09	96.0-106.0		Y			10.61		Mad Mon. 127
37	HD-13S	MCD	Dayton	789.30	22.5 - 32.5		Y			9.77		
38	HD-14S	MCD	Dayton	790.69	22.5 - 32.5		Y			12.13		
39	EW-1	WPAFB	WPAFB	810.42	9.5 - 73.5		Y			31.45		Must climb tower – leaking water from top seal of shaft

TOC = Top of casing
TOPC = Top of protective casing
MCD = Miami Conservancy Distsrict

IT Personnel: D. Rasor
D. Warner

OU5 Monthly Water Levels for the LTM Program
Wright-Patterson AFB, Ohio

Date: 6/15/00

	Well No.	Location	Owner	TOC Elevation (ft, MSL)	Screened Interval (ft)	Log Time (xxxx)	Well Secure (Y/N)	LEL Reading (%)	PID Reading (ppm)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Comments
1	08-020-M	WPAFB	WPAFB	791.10	11.0 - 21.0	0855	Y	N/A	N/A	11.35		
2	08-021-M	WPAFB	WPAFB	790.69	13.0 - 23.0	0840				11.24		
3	08-022-M	WPAFB	WPAFB	796.00	26.0 - 36.0					15.50		
4	08-023-M	WPAFB	WPAFB	791.74	24.0 - 34.0					6.76		
5	08-523-M	WPAFB	WPAFB	790.61	5.5 - 15.5					9.59		
6	08-524-M	WPAFB	WPAFB	789.78	5.4 - 15.4					6.94		
7	08-525-M	WPAFB	WPAFB	791.84	6.0 - 16.5	1114				10.00		
8	08-526-M	MCD	WPAFB	791.03	6.4 16.4	0910				NT		birds nest
9	08-527-M	MCD	WPAFB	789.13	6.0 - 16.0	0922				9.57		
10	08-528-M	MCD	WPAFB	790.25	7.5 - 17.5	0931				11.07		
11	CW04-060	WPAFB	WPAFB	792.08	49.7 - 59.7					12.72	~~12.72~~	
12	CW04-085	WPAFB	WPAFB	790.07	74.0 - 84.0					10.55	~~10.55~~	
13	CW05-055	WPAFB	WPAFB	793.58	45.0 - 55.0	0835				13.98		
14	CW05-085	WPAFB	WPAFB	793.86	75.0 - 85.0	0830				14.22		
15	CW06-077	WPAFB	WPAFB	793.34	67.0 - 77.0	0900				13.48		
16	CW07-055	WPAFB	WPAFB	791.89	44.5 - 54.5	1109				12.85		
17	CW07-100	WPAFB	WPAFB	791.76	90.0 - 100.0	1113				9.56		
18	CW08-017	WPAFB	WPAFB	792.79	7.3 - 17.3	1104				10.73		
19	CW08-055	WPAFB	WPAFB	792.86	44.7 - 54.7	1103				9.21		
20	CW08-110	WPAFB	WPAFB	791.39	100.0 - 110.0	1102				7.15		
21	CW09-073	MCD	WPAFB	791.32	63 - 73	0941				12.34		
22	CW12-085	WPAFB	WPAFB	789.98	75 - 85					5.64		
23	CW13-085	WPAFB	WPAFB	791.63	75 - 85					6.17		
24	CW15-055	MCD	WPAFB	792.09	45.0 - 55.0	0947				12.71		River eating fall off wall
25	CW21-040	WPAFB	WPAFB	795.31	30.0 - 40.0					12.13		
26	MW130S	MCD	Dayton	792.49	-29 - 39	1038				12.34		
27	MW131M	MCD	Dayton	787.31	58.3 - 68.3	1032				7.95		
28	MW131D	MCD	Dayton	788.32	105.4 - 115.4	1033				8.83		
29	MW132S	MCD	Dayton	789.78	38.5 - 48.5	1028				11.36		
30	MW133S	MCD	Dayton	789.66	43.4 - 53.4	~~1038~~ 1047				~~11.36~~ 10.94		
31	MW133D	MCD	Dayton	789.03	59.5 - 69.5	1048				10.43		
32	HD-10D	MCD	Dayton	792.99	59.0 - 69.0	1012				14.00		
33	HD-11D	MCD	Dayton	791.61	71.0 - 81.0	1019				12.33		
34	HD-12S	MCD	Dayton	791.31	14.0 - 24.0	1055				11.90		
35	HD-12M	MCD	Dayton	792.21	44.0 - 54.0	1021				12.74		
36	HD-13S	MCD	Dayton	789.30	22.5 - 32.5	1017				10.27		
37	HD-14S	MCD	Dayton	790.69	22.5 - 32.5	1026				~~13.60~~ 12.60		
38	EW-1	WPAFB	WPAFB	810.42	9.5 - 73.5	0875				30.57		Must climb tower
				TTW-01		0850				12.21		
	TOC = Top of casing			TTW-02S		0905				11.07		
	TOPC = Top of protective casing			TTW-02D		0907				11.53		
	MCD = Miami Conservancy Distsrict			TTW-03S		0910				12.04		
				TTW-03D		0912				12.23		
				TTW-04S		0915				12.12		
				TTW-04D		0917				12.14		
				TTW-05S		0922				11.88		

HD-13D - 14.04

Common3\plamondo\LTM\forms\OU5ElevLg.xls

IT Personnel: D. Kasor
D. Warner

OU5 Monthly Water Levels for the LTM Program
Wright-Patterson AFB, Ohio

Date: 7/13/00

	Well No.	Location	Owner	TOC Elevation (ft, MSL)	Screened interval (ft)	Log Time (xxxx)	Well Secure (Y/N)	LEL Reading (%)	PID Reading (ppm)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Comments
1	08-020-M	WPAFB	WPAFB	791.10	11.0 - 21.0	0824	Y	N/A	N/A	11.99	12.25	
2	08-021-M	WPAFB	WPAFB	790.69	13.0 - 23.0	1335	Y	N/A	N/A	12.10	12.64	
3	08-022-M	WPAFB	WPAFB	796.00	26.0 - 36.0	0755	Y	N/A	N/A	15.83	16.01	
4	08-023-M	WPAFB	WPAFB	791.74	24.0 - 34.0	0800	Y	N/A	N/A	6.77	7.00	
5	08-523-M	WPAFB	WPAFB	790.61	5.5 - 15.5	0805	Y	N/A	N/A	6.70	7.28	
6	08-524-M	WPAFB	WPAFB	789.78	5.4 - 15.4	0810	Y	N/A	N/A	7.01	7.47	
7	08-525-M	WPAFB	WPAFB	791.84	6.0 - 16.5	0813	Y	N/A	N/A	10.26	10.63	
8	08-526-M	MCD	WPAFB	791.03	6.4 16.4	1030	N	N/A	N/A	11.59	11.80	
9	08-527-M	MCD	WPAFB	789.13	6.0 - 16.0	1025	Y	N/A	N/A	10.11	10.55	
10	08-528-M	MCD	WPAFB	790.25	7.5 - 17.5	1022	Y	N/A	N/A	NT	NT	Bird nest w/eggs
11	CW04-060	WPAFB	WPAFB	792.08	49.7 - 59.7	0750	Y	N/A	N/A	13.11	10.11	
12	CW04-085	WPAFB	WPAFB	790.07	74.0 - 84.0	0752	Y	N/A	N/A	11.09	11.59	
13	CW05-055	WPAFB	WPAFB	793.58	45.0 - 55.0	1338	Y	N/A	N/A	15.30	15.81	
14	CW05-085	WPAFB	WPAFB	793.86	75.0 - 85.0	1303	Y	N/A	N/A	15.74	—	
15	CW06-077	WPAFB	WPAFB	793.34	67.0 - 77.0	0825	Y	N/A	N/A	NT	NT	Bird nest w/eggs
16	CW07-055	WPAFB	WPAFB	791.89	44.5 - 54.5	0816	Y	N/A	N/A	NT	NT	Bird nest w/eggs
17	CW07-100	WPAFB	WPAFB	791.76	90.0 - 100.0	0815	Y	N/A	N/A	9.73	10.06	~~Bird nest~~
18	CW08-017	WPAFB	WPAFB	792.79	7.3 - 17.3	0820	Y	N/A	N/A	10.95	11.18	
19	CW08-055	WPAFB	WPAFB	792.86	44.7 - 54.7	0821	Y	N/A	N/A	9.41	9.92	
20	CW08-110	WPAFB	WPAFB	791.39	00.0 - 110.0	0818	Y	N/A	N/A	8.39	8.53	
21	CW09-073	MCD	WPAFB	791.32	63 - 73	1050	Y	N/A	N/A	12.72	13.00	
22	CW12-085	WPAFB	WPAFB	789.98	75 - 85	0807	Y	N/A	N/A	5.79	6.41	
23	CW13-085	WPAFB	WPAFB	791.63	75 - 85	0802	Y	N/A	N/A	6.21	6.61	
24	CW15-055	MCD	WPAFB	792.09	45.0 - 55.0	1055	Y	N/A	N/A	13.06	N/A	River
25	CW21-040	WPAFB	WPAFB	795.31	30.0 - 40.0	0758	Y	N/A	N/A	12.24	12.49	
26	MW130S	MCD	Dayton	792.49	29 - 39	0925	Y	N/A	N/A	12.70	—	Must walk to it
27	MW131M	MCD	Dayton	787.31	58.3 - 68.3	0927	Y	N/A	N/A	8.57	—	
28	MW131D	MCD	Dayton	788.32	05.4 - 115.4	0930	Y	N/A	N/A	9.40	—	
29	MW132S	MCD	Dayton	789.78	38.5 - 48.5	0922	Y	N/A	N/A	11.73	—	
30	MW133S	MCD	Dayton	789.66	43.4 - 53.4	0915	Y	N/A	N/A	11.29	—	
31	MW133D	MCD	Dayton	789.03	59.5 - 69.5	0916	Y	N/A	N/A	10.78	—	
32	HD-10D	MCD	Dayton	792.99	59.0 - 69.0	0900	Y	N/A	N/A	14.34	SAME	
33	HD-11D	MCD	Dayton	791.61	71.0 - 81.0	0906	Y	N/A	N/A	13.34	—	
34	HD-12S	MCD	Dayton	791.31	14.0 - 24.0	0908	Y	N/A	N/A	12.51	Same	
35	HD-12M	MCD	Dayton	792.21	44.0 - 54.0	0910	Y	N/A	N/A	13.36	—	
36	HD-13D	MCD	Dayton	790.09	96.0-106.0	0903	Y	N/A	N/A	11.61	—	Mad Mon. 127
37	HD-13S	MCD	Dayton	789.30	22.5 - 32.5	0902	Y	N/A	N/A	10.76	—	
38	HD-14S	MCD	Dayton	790.69	22.5 - 32.5	0920	Y	N/A	N/A	12.90	Same	
39	EW-1	WPAFB	WPAFB	810.42	9.5 - 73.5	1340	Y	N/A	N/A	32.64	—	Must climb tower

TOC = Top of casing
TOPC = Top of protective casing
MCD = Miami Conservancy Distsrict

IT Personnel: D. Rasor
D. Warner

OU5 Monthly Water Levels for the LTM Program
Wright-Patterson AFB, Ohio

Date: 7/13/02

	Well No.	Location	Owner	TOC Elevation (ft, MSL)	Screened interval (ft)	Log Time (xxxx)	Well Secure (Y/N)	LEL Reading (%)	PID Reading (ppm)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Comments
1	TTW-01	WPAFB	WPAFB			1330	Y	N/A	N/A	13.42	—	
2	TTW-02S	MCD	WPAFB			1100	Y	N/A	N/A	11.98	12.50	
3	TTW-02D	MCD	WPAFB			1101	Y	N/A	N/A	12.59	12.62	
4	TTW-03S	MCD	WPAFB			1103				12.82	13.09	
5	TTW-03D	MCD	WPAFB			1105				13.14	13.7	
6	TTW-04S	MCD	WPAFB			1108				12.94	13.02	
7	TTW-04D	MCD	WPAFB			1111				13.10	13.17	
8	TTW-05S	MCD	WPAFB			1113				12.72	12.82	
9	TTW-05D	MCD	WPAFB			1115				13.11	→	Higher than PC

Common3\plamondo\LTM\forms\OU5ElevLg.xls

IT Personnel: Greg Plamondon
John Pease

OU5 Monthly Water Levels for the LTM Program
Wright-Patterson AFB, Ohio

EW-1 off

Date: 6/18/00

	Well No.	Location	Owner	TOC Elevation (ft, MSL)	Screened Interval (ft)	Log Time (xxxx)	Well Secure (Y/N)	LEL Reading (%)	PID Reading (ppm)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Comments
1	08-020-M	WPAFB	WPAFB	791.10	11.0 - 21.0	1435	Y	0	0	12.06	12.31	
2	08-021-M	WPAFB	WPAFB	790.69	13.0 - 23.0	1405	Y	0	0	11.91	—	
3	08-022-M	WPAFB	WPAFB	796.00	26.0 - 36.0	8:47	Y	0	0	16.10	16.30	
4	08-023-M	WPAFB	WPAFB	791.74	24.0 - 34.0	8:57	Y	0	0	7.45	7.66	
5	08-523-M	WPAFB	WPAFB	790.61	5.5 - 15.5	9:05	Y	0	0	7.30	7.90	
6	08-524-M	WPAFB	WPAFB	789.78	5.4 - 15.4	9:14	Y	0	0	7.65	8.04	
7	08-525-M	WPAFB	WPAFB	791.84	6.0 - 16.5	9:16	Y	0	0	10.77	11.14	
8	08-526-M	MCD	WPAFB	791.03	6.4 16.4	1152	Y	0	0	11.88	12.10	
9	08-527-M	MCD	WPAFB	789.13	6.0 - 16.0	1130	Y	0	0	10.28	10.75	
10	08-528-M	MCD	WPAFB	790.25	7.5 - 17.5	1149	Y	0	0	12.35	11.77	
11	CW04-060	WPAFB	WPAFB	792.08	49.7 - 59.7	1345	Y	0	0	13.32	13.58	
12	CW04-085	WPAFB	WPAFB	790.07	74.0 - 84.0	1347	Y	0	0	11.28	11.78	
13	CW05-055	WPAFB	WPAFB	793.58	45.0 - 55.0	1410	Y	0	0	14.65	15.15	
14	CW05-085	WPAFB	WPAFB	793.86	75.0 - 85.0	1415	Y	0	0	14.94	15.35	
15	CW06-077	WPAFB	WPAFB	793.34	67.0 - 77.0	1501	Y	0	0	14.19	14.74	
16	CW07-055	WPAFB	WPAFB	791.89	44.5 - 54.5	0917	Y	0	0	13.61	13.99	
17	CW07-100	WPAFB	WPAFB	791.76	90.0 - 100.0	0919	Y	0	0	10.34	10.69	
18	CW08-017	WPAFB	WPAFB	792.79	7.3 - 17.3	0930	Y	0	0	11.55	11.74	
19	CW08-055	WPAFB	WPAFB	792.86	44.7 - 54.7	0925	Y	0	0	10.04	10.42	
20	CW08-110	WPAFB	WPAFB	791.39	00.0 - 110.0	0926	Y	0	0	8.02	8.21	
21	CW09-073	MCD	WPAFB	791.32	63 - 73	1202	Y	0	0	13.05	13.30	
22	CW12-085	WPAFB	WPAFB	789.98	75 - 85	9:00	Y	0	0	6.40	7.04	
23	CW13-085	WPAFB	WPAFB	791.63	75 - 85	8:50	Y	0	0	6.86	7.28	
24	CW15-055	MCD	WPAFB	792.09	45.0 - 55.0	1215	Y	0	0	13.50	13.84	River, Needs weephole
25	CW21-040	WPAFB	WPAFB	795.31	30.0 - 40.0	8:43	Y	0	0	12.76	12.98	
26	MW130S	MCD	Dayton	792.49	29 - 39	11:05	Y	0	0	13.02	13.30	
27	MW131M	MCD	Dayton	787.31	58.3 - 68.3	1115	Y	0	0	8.64	8.80	
28	MW131D	MCD	Dayton	788.32	05.4 - 115.4	1051	Y	0	0	9.52	9.80	
29	MW132S	MCD	Dayton	789.78	38.5 - 48.5	1100	Y	0	0	12.08	12.21	
30	MW133S	MCD	Dayton	789.66	43.4 - 53.4	1025	Y	0	0	11.51	—	
31	MW133D	MCD	Dayton	789.03	59.5 - 69.5	1027	Y	0	0	11.04	—	
32	HD-10D	MCD	Dayton	792.99	59.0 - 69.0	1100	Y	0	0	14.50	—	
33	HD-11D	MCD	Dayton	791.61	71.0 - 81.0	1050	Y	0	0	12.97	—	
34	HD-12S	MCD	Dayton	791.31	14.0 - 24.0	1100	Y	0	0	12.58	—	
35	HD-12M	MCD	Dayton	792.21	44.0 - 54.0	1105	Y	0	0	13.41	13.47	
36	HD-13D	MCD	Dayton	790.09	96.0-106.0	1046	Y	0	0	11.70	—	Mad Mon. 127
37	HD-13S	MCD	Dayton	789.30	22.5 - 32.5	1045	Y	0	0	10.85	10.92	
38	HD-14S	MCD	Dayton	790.69	22.5 - 32.5	1128	Y	0	0	13.29	—	
39	EW-1	WPAFB	WPAFB	810.42	9.5 - 73.5	1422	Y	0	0	31.17	—	Must climb tower

TOC = Top of casing
TOPC = Top of protective casing
MCD = Miami Conservancy Distsrict

* Using MCD access gate, missed City of Dayton at Park Maint., Road Closed.

Common3\plamondo\LTM\forms\OU5ElevLg.xls

IT Personnel: _____

_____

OU5 Monthly Water Levels for the LTM Program
Wright-Patterson AFB, Ohio

Date: 8/18/00

	Well No.	Location	Owner	Cap Elevation (ft, MSL)	Screened Interval (ft)	Log Time (xxxx)	Well Secure (Y/N)	LEL Reading (%)	PID Reading (ppm)	Static Depth to Water CAP ~~TOC~~ (ft)	TOPC (ft)	Comments
1	TTW-01	WPAFB	WPAFB	791.46		1355		0	0	12.93	—	
2	TTW-02S	MCD	WPAFB	790.19		1229	Y			11.73	—	
3	TTW-02D	MCD	WPAFB	790.65		1228	Y			12.21	—	
4	TTW-03S	MCD	WPAFB	791.07		1235	Y			12.70	—	
5	TTW-03D	MCD	WPAFB	791.3		1231	Y			12.90	—	
6	TTW-04S	MCD	WPAFB	791.21		1239	Y			12.76	—	
7	TTW-04D	MCD	WPAFB	791.23		1232	Y			12.77	—	
8	TTW-05S	MCD	WPAFB	790.96		1226	Y			12.55	—	
9	TTW-05D	MCD	WPAFB	791.16		1225	Y	0	0	12.73	—	

IT Personnel: Greg Plamondon
Wendy Costa

OU5 Monthly Water Levels for the LTM Program
Wright-Patterson AFB, Ohio

Date: 9/21/00

	Well No.	Location	Owner	TOC Elevation (ft, MSL)	Screened Interval (ft)	Log Time (xxxx)	Well Secure (Y/N)	LEL Reading (%)	PID Reading (ppm)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Comments
1	08-020-M	WPAFB	WPAFB	791.10	11.0 - 21.0	1545	Y			15.31	15.60	
2	08-021-M	WPAFB	WPAFB	790.69	13.0 - 23.0	1530	Y			15.52	16.02	
3	08-022-M	WPAFB	WPAFB	796.00	26.0 - 36.0	1320	Y			19.03	19.21	
4	08-023-M	WPAFB	WPAFB	791.74	24.0 - 34.0	1326	Y			8.78	9.00	
5	08-523-M	WPAFB	WPAFB	790.61	5.5 - 15.5	1326	Y			8.78	9.00	wk (see below)
6	08-524-M	WPAFB	WPAFB	789.78	5.4 - 15.4	1336	Y			9.13	9.68	
7	08-525-M	WPAFB	WPAFB	791.84	6.0 - 16.5	1340	Y			12.74	13.12	
8	08-526-M	MCD	WPAFB	791.03	6.4 16.4	1203	Y			14.83	15.05	
9	08-527-M	MCD	WPAFB	789.13	6.0 - 16.0	1200	Y			13.50	13.96	
10	08-528-M	MCD	WPAFB	790.25	7.5 - 17.5	1155	Y			15.18	15.71	
11	CW04-060	WPAFB	WPAFB	792.08	49.7 - 59.7	1525	Y			16.65	17.92	
12	CW04-085	WPAFB	WPAFB	790.07	74.0 - 84.0	1527	Y			14.61	15.15	
13	CW05-055	WPAFB	WPAFB	793.58	45.0 - 55.0	1532	Y			18.78	19.27	
14	CW05-085	WPAFB	WPAFB	793.86	75.0 - 85.0	1535	Y			19.23	19.64	
15	CW06-077	WPAFB	WPAFB	793.34	67.0 - 77.0	1547	Y			17.47	18.04	
16	CW07-055	WPAFB	WPAFB	791.89	44.5 - 54.5	1345	Y			15.62	16.00	
17	CW07-100	WPAFB	WPAFB	791.76	90.0 - 100.0	1342	Y			11.93	12.19	
18	CW08-017	WPAFB	WPAFB	792.79	7.3 - 17.3	1555	Y			13.42	13.65	
19	CW08-055	WPAFB	WPAFB	792.86	44.7 - 54.7	1553	Y			11.61	12.00	
20	CW08-110	WPAFB	WPAFB	791.39	100.0 - 110.0	1551	Y			10.58	10.77	
21	CW09-073	MCD	WPAFB	791.32	63 - 73	1103	Y			16.40	16.65	
22	CW12-085	WPAFB	WPAFB	789.98	75 - 85	1330	Y			7.90	wk ~~8.6~~ 8.57	No pump
23	CW13-085	WPAFB	WPAFB	791.63	75 - 85	1323	Y			8.15	8.60	
24	CW15-055	MCD	WPAFB	792.09	45.0 - 55.0	1142	Y			17.11	17.42	River (drill weep hole)
25	CW21-040	WPAFB	WPAFB	795.31	30.0 - 40.0	1341	Y			14.65	14.85	
26	MW130S	MCD	Dayton	792.49	29 - 39	1100	Y			15.66	15.85	
27	MW131M	MCD	Dayton	787.31	58.3 - 68.3	1107	Y			12.10	—	
28	MW131D	MCD	Dayton	788.32	105.4 - 115.4	1109	Y			12.91	—	
29	MW132S	MCD	Dayton	789.78	38.5 - 48.5	1053	Y			15.73	15.87	
30	MW133S	MCD	Dayton	789.66	43.4 - 53.4	1114	Y			15.12	—	
31	MW133D	MCD	Dayton	789.03	59.5 - 69.5	1115	Y			14.59	—	
32	HD-10D	MCD	Dayton	792.99	59.0 - 69.0	1033	Y			17.88	—	
33	HD-11D	MCD	Dayton	791.61	71.0 - 81.0	1040	Y			16.80	—	
34	HD-12S	MCD	Dayton	791.31	14.0 - 24.0	1043	Y			15.88	—	
35	HD-12M	MCD	Dayton	792.21	44.0 - 54.0	1044	Y			16.72	—	
36	HD-13S	MCD	Dayton	769.30	22.5 - 32.5	1036	Y			14.28	14.35	
37	HD-14S	MCD	Dayton	790.69	22.5 - 32.5	1049	Y			17.07	—	
38	EW-1	WPAFB	WPAFB	810.42	9.5 - 73.5	1538	Y			36.07	—	Must climb tower
	MADMON 127					1037	Y			15.15	—	LID WON'T CLOSE ALL THE WAY
	TOC = Top of casing											
	TOPC = Top of protective casing											
	MCD = Miami Conservancy Distsrict											
	08-523-M					1332	Y			8.90	9.48	

Common3\plamondo\LTM\forms\OU5Elevl.g xls

IT Personnel: Greg Plamondon
Wendy Coates

9/21/00

~~TTW1~~
TTW2S
~~TTW2D~~
TTW3S
~~TTW4S~~
~~TTW5S~~

~~TTW1~~	TIME	LOCKED	TOC
TTW2S	1124	Y	15.42
TTW2D	1125	Y	16.06
TTW3S	1133	Y	16.31
TTW3D	1134	Y	16.62
TTW4S	1130	Y	16.40
TTW4D	1131	Y	16.56
TTW5S	1126	Y	16.24
TTW5D	1127	Y	16.58
☆ TTW1	1543	Y	16.88

IT Personnel: D. Warner
G. Plamondon

OU5 Monthly Water Levels for the LTM Program
Wright-Patterson AFB, Ohio

Date: 8/13/00

	Well No.	Location	Owner	TOC Elevation (ft, MSL)	Screened Interval (ft)	Log Time (xxxx)	Well Secure (Y/N)	LEL Reading (%)	PID Reading (ppm)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Comments
1	08-020-M	WPAFB	WPAFB	791.10	11.0 - 21.0					16.99	17.27	
2	08-021-M	WPAFB	WPAFB	790.69	13.0 - 23.0					17.37	17.87	
3	08-022-M	WPAFB	WPAFB	796.00	26.0 - 36.0					20.73	20.91	
4	08-023-M	WPAFB	WPAFB	791.74	24.0 - 34.0					8.33	8.55	
5	08-523-M	WPAFB	WPAFB	790.61	5.5 - 15.5					Dry		8' to btm TOPC.
6	08-524-M	WPAFB	WPAFB	789.78	5.4 - 15.4					9.36	9.69	
7	08-525-M	WPAFB	WPAFB	791.84	6.0 - 16.5					13.24	13.60	
8	08-526-M	MCD	WPAFB	791.03	6.4 16.4			1115		16.51	16.74	
9	08-527-M	MCD	WPAFB	789.13	6.0 - 16.0			1118		15.30	15.75	
10	08-528-M	MCD	WPAFB	790.25	7.5 - 17.5			1120		17.03	17.59	
11	CW04-060	WPAFB	WPAFB	792.08	49.7 - 59.7					18.61	18.88	
12	CW04-085	WPAFB	WPAFB	790.07	74.0 - 84.0					16.55	17.08	
13	CW05-055	WPAFB	WPAFB	793.58	45.0 - 55.0			1150		20.60	21.10	
14	CW05-085	WPAFB	WPAFB	793.86	75.0 - 85.0			1145		21.04	21.47	
15	CW06-077	WPAFB	WPAFB	793.34	67.0 - 77.0					19.08	19.61	
16	CW07-055	WPAFB	WPAFB	791.89	44.5 - 54.5					16.15	16.50	
17	CW07-100	WPAFB	WPAFB	791.76	90.0 - 100.0					12.00	12.30	
18	CW08-017	WPAFB	WPAFB	792.79	7.3 - 17.3					13.90	14.11	
19	CW08-055	WPAFB	WPAFB	792.86	44.7 - 54.7					11.65	12.03	
20	CW08-110	WPAFB	WPAFB	791.39	00.0 - 110.0					10.62	10.78	
21	CW09-073	MCD	WPAFB	791.32	63 - 73			1135		18.38	18.63	
22	CW12-085	WPAFB	WPAFB	789.98	75 - 85	1235				8.70	9.33	
23	CW13-085	WPAFB	WPAFB	791.63	75 - 85					7.62	8.07	
24	CW15-055	MCD	WPAFB	792.09	45.0 - 55.0					19.10	19.45	River
25	CW21-040	WPAFB	WPAFB	795.31	30.0 - 40.0					14.91	15.12	
26	MW130S	MCD	Dayton	792.49	29 - 39					17.30	17.50	
27	MW131M	MCD	Dayton	787.31	58.3 - 68.3					13.70	14.14	
28	MW131D	MCD	Dayton	788.32	05.4 - 115.4					14.78	15.04	
29	MW132S	MCD	Dayton	789.78	38.5 - 48.5			~~17.10~~	~~17.17~~	17.72	17.85	
30	MW133S	MCD	Dayton	789.66	43.4 - 53.4			17.10	17.17	14.78	15.04	~~16.57 1330~~
31	MW133D	MCD	Dayton	789.03	59.5 - 69.5			16.57		~~17.10~~	~~17.17~~	~~1335~~
32	HD-10D	MCD	Dayton	792.99	59.0 - 69.0	1015			~~19.86~~	19.86	—	
33	HD-11D	MCD	Dayton	791.61	71.0 - 81.0					18.65	—	
34	HD-12S	MCD	Dayton	791.31	14.0 - 24.0					17.65	—	
35	HD-12M	MCD	Dayton	792.21	44.0 - 54.0					18.43	18.47	
36	HD-13D	MCD	Dayton	790.09	96.0-106.0	1018			~~17.09~~	17.07	—	Mad Mon. 127
37	HD-13S	MCD	Dayton	789.30	22.5 - 32.5	1019			~~16.23~~	16.23	16.30	
38	HD-14S	MCD	Dayton	790.69	22.5 - 32.5					19.02	—	
39	EW-1	WPAFB	WPAFB	810.42	9.5 - 73.5	1201				37.95		Must climb tower

TOC = Top of casing
TOPC = Top of protective casing
MCD = Miami Conservancy Distsrict

Common3\plamondo\LTM\forms\OU5ElevLg.xls

IT Personnel: D Warner
G. Plamondon

OU5 Monthly Water Levels for the LTM Program
Wright-Patterson AFB, Ohio

Date: 10/1-100

	Well No.	Location	Owner	Cap Elevation (ft, MSL)	Screened Interval (ft)	Log Time (xxxx)	Well Secure (Y/N)	LEL Reading (%)	PID Reading (ppm)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Comments
1	TTW-01	WPAFB	WPAFB	791.46						18.77	—	
2	TTW-02S	MCD	WPAFB	790.19						17.27	17.79	
3	TTW-02D	MCD	WPAFB	790.65						17.90	17.96	
4	TTW-03S	MCD	WPAFB	791.07						18.18	18.46	
5	TTW-03D	MCD	WPAFB	791.3						18.48	18.53	
6	TTW-04S	MCD	WPAFB	791.21		1100				18.29	18.40	
7	TTW-04D	MCD	WPAFB	791.23						18.42	18.50	
8	TTW-05S	MCD	WPAFB	790.96						18.10	18.15	
9	TTW-05D	MCD	WPAFB	791.16						18.44	—	

Appendix E

OU4 Soil Gas Monitoring Field Logs

Attachment 2

OU4 - Landfill 6 and 7 Soil Gas Monitoring Log

Date: 7/25/00 Temp: 65° F

Meter Model: LANDTECH GA-90

Atmospheric Pressure: 29.2 "Hg

Cal.Gas Type: HAZCO, ~~Exp~~ MFG. Date: 12/98

Samplers: D. Warner / D. Pasor / J. Pease

Gas Conc.:
Methane: 15.0% Meter Reading: 14.8%
CO_2: 15.0% Meter Reading: 14.8%
~~O_2~~ ~~N_2~~: N_2 - Balance Meter Reading: O_2 0.1%
NA "Hg - 29.2

Location	Purge Start Time	Sample Time	CO_2%	O_2%	CH_4%	LEL%	Comments "Hg (Atmospheric)
LG-1	0826	0829	7.20	9.802	0	0	29.2
LG-2	0841	0842	6.6	4.3	0	0	29.2
LG-3	0843	0845	5.0	13.02	0	0	29.2
LG-6	0838	0839	2.8	12.5	0	0	29.2
LG-7	0835	0836	1.6	18.1	0	0	29.2
LG-8	0820	0822	2.4	16.5	0	0	29.2
LG-9	0850	0852	2.6	12.5	0	0	29.2
LG-10	NT	NT	NT	NT	NT	NT	unopenable
Bldg 878A SE	0824	0825	0	20.402	0	0	Inside bldg. 29.2
Bldg 878A NW	0830	0831	0	20.3	0	0	Inside bldg. 29.2

Notes:
1. Calibration gas required: Methane, CO_2, and N_2 mixture
2. Regulator required: 0.5 L per minute
3. Tubing type: Tygon
4. For access to Buildings 877 and 878 check in at west end of Building 876.

Attachment 2

OU4 - Landfill 6 and 7 Soil Gas Monitoring Log

Date: 9/28/00 Temp: 68°F

Meter Model: LANTEC GA90

Atmospheric Pressure: 29.3

Cal.Gas Type: _____, Exp. Date:

Samplers: GP
WC

Gas Conc.:
Methane: _____ Meter Reading:
CO_2: _____ Meter Reading:
N_2: _____ Meter Reading:
NA

Location	Purge Start Time	Sample Time	CO_2%	O_2%	CH_4%	LEL%	Comments
LG-1	1612	40	0.7	18.6	0	0	
LG-2	1558	80	9.5	10	0	0	
LG-3	1601	50	3.6	16.8	0	0	
LG-6	1550	50	2.7	13.8	0	0	
LG-7	1545	50	1.3	17.8	0	0	
LG-8	1621	40	2.1	16.2	0	0	
LG-9	1617	40	2.3	14.5	0	0	
LG-10							Cap on well vault damaged
Bldg 878A SE	1608	40	0	19.3	0	0	Inside bldg.
Bldg 878A NW	0852	60	0	18.8	0	0	Inside bldg.

9/29/00

Notes:
1. Calibration gas required: Methane, CO_2, and N_2 mixture
2. Regulator required: 0.5 L per minute
3. Tubing type: Tygon
4. For access to Buildings 877 and 878 check in at west end of Building 876.

Appendix F

OU2 Groundwater Purge Logs
OU2 Water Level Field Logs
OU2 Chain of Custody Records

INTERNATIONAL TECHNOLOGY CORPORATION

ID # 103
CPM 4

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 042 Well #: 04-016-M Sample Number: BMP-04-016-M-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: KM 4 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ Static Water Level (Depth to Water): 9.60

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/19	1105		9.66	0.5	15.6	7.02	1.13	8	-114.8	2.10	
	1110		9.64	1.5	14.9	7.12	0.92	1	-129.7	0.18	
	1115		9.64	2.0	14.9	7.13	0.909	1	-142.4	0.08	
	1120		9.64	2.5	15.0	7.14	0.904	1	-151.8	0.05	
	1125		9.64	3.0	15.1	7.12	0.898	0	-155.8	0.04	
	1130		Collect Sample								
	1135		9.64	Post	15.3	7.08	0.899	0	-133.6	0.79	
											Fe = 5.10 mg/L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 10/19/00 Sample Collection Time: 1130

Prepared by: K. Mercurio

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2

Well #: 04-518-M

Sample Number: BMP-04-518-M-1000

Purging Method/Equipment: Bladder

Samplers Glatterson/MWortuff

Well Secure (Y/N) Y

Well Casing Diameter: _____ in.

Unit Casing Volume (UC): _____ gal.

Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____

Static Water Level (Depth to Water): ~~12.45~~ 12.51 MW

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-17-00	1610	Start Purging									
	1615	0.2	12.50	0.3	18.5	7.04	0.98	-10 *	-44.6	0.96	
	1620	0.2	12.50	1.0	19.0	7.00	0.96		-63.5	0.40	
	1625	0.2	12.50	1.5	19.1	7.02	0.92		-75.6	0.29	
	1630	0.3	12.52	2.5	19.1	7.04	0.91		-87.5	0.25	
	1635	0.3	12.52	3.0	19.0	7.06	0.742		-92.8	0.29	
	1640	0.2	12.51	3.3	18.9	7.07	0.742		-95.0	0.38	
	1642	SAMPLE									
	1657		12.52	POST	18.6	7.11	0.739		-82.5	9.54	
											Fe: 6.00 mg/L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)

BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** — **MS/MSD:** /

Sample Collection Date: 10-17-00 **Sample Collection Time:** 1642

Prepared by: CP/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2 Well #: ~~BMP~~ KM-OW1- Sample Number: BMP-OW-1-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ Static Water Level (Depth to Water): ~~9.80~~ KM 9.49

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/17	1600		9.80	Initial	17.9	7.29	0.918	-10	9.89	0.51	
	1605		9.91	2.5	17.9	7.30	0.918	-10	9.76	0.08	
	1610		9.91	3.0	17.7	7.29	0.918	-10	9.71	0.31	
	1615		9.91	3.5	17.8	7.28	0.918	-10	9.68	0.23	
	1620		Collect Sample								
	1625		9.91	Post	17.8	7.26	0.918	-10	9.40	1.13	
											Fe = 4.46 mg/L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): AMB None Duplicate/Split: _____ MS/MSD: _____, BMP-OW-1-1000-AMB01 1600

Sample Collection Date: 10/17/00 Sample Collection Time: _____

Prepared by: K. Mercuno

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2 Well #: BMP-OW-2* Sample Number: BMP-OW-2-1000

Purging Method/Equipment: Bladder Samplers C. Patterson/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 11.69

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-19-00	1005	Start	Purging								
	1012	0.3	11.69	0.5	14.8	6.54	0.611	-10*	-111.8	0.01	petro smell
	1018	0.3	11.69	1.7	14.9	6.59	0.611		-119.2	0.24	
	1023	0.3	11.69	2.5	14.9	6.62	0.612		-123.6	0.38	
	1027	0.3	11.69	3.1	14.9	6.63	0.610		-126.0	0.24	
	1032	0.3	11.69	3.8	15.0	6.64	0.610	7	-129.5	0.69	
	1035	SAMPLE				6.65					
	1045	0.3	11.69	POST	15.2	mw	0.607	-10*	-111.2	0.58	
											Fe = 12.4 mg/L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-19-00 **Sample Collection Time:** 1035

Prepared by: CP/MW

* Turbidity meter not working

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2 Well #: BMP-OW-3 Sample Number: BMP-OW-3-1000

Purging Method/Equipment: Bladder Samplers C. Patterson/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ Static Water Level (Depth to Water): 13.60

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-19-00	1108	Begin Purging									
	1112	0.2	13.60	0.4	17.0	6.52	0.615	-10*	-107.8	0.78	petro smell
	1118	0.3	13.60	1.0	17.1	6.72	0.567		-132.5	0.19	
	1122	0.3	13.60	1.3	17.2	6.75	0.561		-139.2	0.19	
	1128	0.3	13.60	1.8	17.3	6.76	0.559		-142.6	0.28	
	1133	0.2	13.60	2.1	17.4	6.76	0.558		-144.0	0.16	
	1138	0.2	13.60	2.6	17.4	6.76	0.558		-147.8	0.20	
	1143	0.2	13.60	3.0	17.5	6.76	0.558		-148.8	0.26	
	1145	sample			~~10~~ CP					~~1.80~~	CP
	1155		13.60	POST	18.1	6.79	0.558		-140.2	1.80	
											Fe = 7.4 mg/L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 10-19-00 Sample Collection Time: 1145

Prepared by: CP/MW

* Turbidity meter not working

N:\COMMON3\PLAMONDO\LTM\FORMS\GWPRGLOG

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2 Well #: BMP-OW-4-~~1000~~ Sample Number: BMP-OW-4-1000

Purging Method/Equipment: Bladder Samplers C. Patterson/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 11.56

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-19-00	1240	Start Purging									
	1245	0.3	11.57	0.5	16.8	6.40	0.573	-10 ✱	-119.3	0.38	
	1250	0.3	11.57	1.1	16.7	6.43	0.568		-101.8	0.35	
	1255	0.3	11.58	1.7	16.1	6.47	0.566		-109.8	0.12	
	1300	0.3	11.58	2.2	16.5	6.50	0.564		-118.2	0.15	
	1305	0.3	11.58	3.0	16.2	6.53	0.562		-124.6	0.12	
	1310	0.3	11.58	3.8	16.2	6.54	0.561		-127.4	0.09	
	1315	SAMPLE									
	1319		11.59	POST	16.2	6.61	0.557		-132.9	0.41	
											Fe = 10.0 mg/L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC ~~Pest/PCB~~ Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-19-00 **Sample Collection Time:** 1315

Prepared by: _____

✱ Turbidity meter not working

N:\COMMON3\PLAMONDO\LTM\FORMS\GWPRGLOG

INTERNATIONAL TECHNOLOGY CORPORATION

ID# 80
CPM 3

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2 Well #: P18-1 Sample Number: BMP-P18-1-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ Static Water Level (Depth to Water): Below Pump (BP)

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/19	1215		BP	initial	18.7	6.84	0.98	2	-51.3	7.18	
	1220			0.2	18.9	6.84	0.99	1	-65.5	3.02	
	1225			0.4	19.0	6.85	1.00	1	-79.2	2.84	
	1230			0.4	19.1	6.85	1.00	1	-83.4	5.30	
	1235			Collect Sample							
	1250			Post	19.0	6.84	1.01	1	-78.8	4.61	
											Fe = 5.10 mg/L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 10/19/00 Sample Collection Time: 1235

Prepared by: K. Mercurio

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2 Well #: ~~OW-4~~ BMP-P18-2 Sample Number: BMP-OW-4-1000

Purging Method/Equipment: 2 Samplers DW/KM Well Secure (Y/N) _____

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ Static Water Level (Depth to Water): Below pump

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/19			NT	Well dry							
			bailed dry / then sampled								
											Fe=4.65 mg/L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 10/19/00 Sample Collection Time: 1300

Prepared by: K. Merauno

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2 Well #: NEA-MW20-2S Sample Number: BMP-NEA-MW20-2S-1002

Purging Method/Equipment: Bladder Samplers C. Paterson / M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter : _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ Static Water Level (Depth to Water): 10.91

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-17-00	1355	Start	Purging								
	1400	0.3	10.94	0.3	16.7	6.80	0.91	-10*	119.8	0.58	petro. smell
	1405	0.2	10.93	0.5	16.8	6.83	0.743		-130.8	0.39	
	1410	0.25	10.94	1.1	17.0	6.86	0.731		-139.9	0.22	
	1415	0.25	10.93	1.5	17.1	6.87	0.718		-146.2	0.25	
	1420	0.25	10.94	2.1	17.1	6.90	0.712		-149.6	0.24	
	1425	0.25	10.94	2.4	17.1	6.92	0.713		-152.0	0.48	
	1430	0.25	10.94	2.8	17.1	6.92	0.710		-158.8	0.17	
	1432	SAMPLED									
	1445	0.25	10.91	3.3	16.9	6.95	0.708		-87.6	0.42	
											Fe: 6.4 mg/L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 10-17-00 Sample Collection Time: 1432

Prepared by: CP/MW

INTERNATIONAL TECHNOLOGY CORPORATION

3.11

ID # 105
CPM 4

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2 **Well #:** NEA-MW21-3S **Sample Number:** BMP-NEA-MW21-3S-1000

Purging Method/Equipment: bladder **Samplers** _____ **Well Secure (Y/N)** Y

Well Casing Diameter: 2 in. **Unit Casing Volume (UC):** _____ gal. **Target Purge Volume:** _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 12.51

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/19	0945		12.51	0.5	16.1	6.45	0.863	7	298	7.97	fuel
	0950		12.55	1.0	15.9	8.61	0.824	5	-25.2	8.71	
	0955		12.55	1.25	17.0	8.62	0.950	4	-25.9	8.71	
	1000		12.58	2.0	17.2	6.64	0.941	3	-30.2	8.32	
	1005		12.60	2.5	16.3	6.69	0.942	3	-41.9	9.32	
	1010		12.60	2.75	16.5	6.69	0.938	3	-40.0	8.08	
	1015		12.60	3.00	16.3	6.69	0.937	3	-40.4	7.90	
	1020		Collect Sample								
	1030		12.60	Post	16.1	6.70	0.946	0	-54.6	8.19	
											Fe = 3.11 mg/L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate / Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: BMP-NEA-MW21-3S-5000 **MS/MSD:** _____ / _____

Sample Collection Date: 10/19/00 **Sample Collection Time:** 1020

Prepared by: K. Mercuno

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2 Well #: NEA-MW26-3S Sample Number: BMP-NEA-MW26-3S-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ Static Water Level (Depth to Water): 14.17

Date 2020	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. ~~(mV)~~ mS/cm	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/17	1310		14.18	initial	17.0	7.05	1.13	-10	-160.6	2.06	
	1315		14.20	1.5	17.1	7.10	1.02	-10	-220.0	0.29	
	1320		14.20	2.0	17.0	7.12	1.01	-10	-241.9	0.32	
	1325		14.20	2.5	16.8	7.07	1.01	-10	-255.6	0.46	
	1330		14.20	3.0	17.1	7.17	1.00	-10	-275.3	0.34	
	1335		14.18	3.5	16.9	7.19	1.00	-10	-279.9	0.33	
	1340		Collect Sample								
	1350		14.19	Post	17.3	7.22	1.01	-10	-271.5	2.84	
											Fe = 14mg/L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene ~~(no preserv)~~ w/ HCl TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 10/17/20 Sample Collection Time: 1340

Prepared by: K. Mercuno

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2

Well #: ~~NEA-MW28-55~~ 4I VLV

Sample Number : BMP-NEA-MW28-55-1000

Purging Method/Equipment: bladder

Samplers DW/KM

Well Secure (Y/N) Y

Well Casing Diameter : 2 in.

Unit Casing Volume (UC): _____ gal.

Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____

Static Water Level (Depth to Water): 13.60

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/17	1410		13.60	initial	15.8	7.50	1.10	-10	8.98	2.51	clear
	1415		13.60	2.0	15.1	7.27	1.37	-10	9.51	0.46	
	1420		13.60	3.0	15.0	7.28	1.38	-10	9.66	0.25	
	1425		13.60	4.0	15.0	7.26	1.38	-10	9.73	0.18	
	1430		13.60	5.0	15.0	7.24	1.38	-10	9.25	1.02	
	1435		Collect	Sample							
	1440		13.60	Post	15.0	7.26	1.39	-10	9.57	0.15	
											Fe = 5.05 mg/L

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/17/00 **Sample Collection Time:** 1435

Prepared by: K. Mercurio

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2 Well #: NEA-MW28-5S Sample Number: NEA-MW28-5S-1000

Purging Method/Equipment: Bladder Samplers M. Chiller / D. Warner Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 5 gal

Sounding (Depth to Well Bottom): _____ Static Water Level (Depth to Water): ~~18.81~~ 19.81 mc

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
12-8-00	1130	start	pumping								
	1137	0.2	15.87	0.2	13.3	6.88	1.17	0	-70.8	0.98	
	1142	0.3	15.82	1.0	14.6	6.87	1.10	0	-113.3	0.26	
1152	1147 mc	0.3	15.84	3.0	14.6	6.91	1.05	0	-117.3	0.27	
	1202	0.3	15.81	5.0	14.8	6.92	1.02	0	-123.0	0.16	
	1207	0.3	15.83	6.0	14.9	6.92	1.00	0	-126.2	0.09	
	1212	SAMPLE									
	1220	0.3	~~15.81~~ 14.81 mc	POST	14.6	6.93	0.98	0	-102.8	0.42	5.09 = fe

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (~~no preserv~~ HCl) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 12-8-00 Sample Collection Time: 1212

Prepared by: DW/MC

IT Personnel: KM/DW
MWC/CP

OU2 Water Levels for the LTM Program
Wright-Patterson AFB, Ohio

Date: 10/16/00

Well No.	TOC Elevation (ft, MSL)	Log Time	Well Secure (Y/N)	LEL Reading (%)	PID Reading (ppm)	Static Depth to Water TOC (ft)	Static Depth to Water TOPC (ft)	Comments
04-016-M	818.33	1308	Y	NT	1.0	9.58		on the flight line
04-517-M	821.96	1345	Y	NT	0.8	9.88	10.34	
04-518-M	820.41	1338	Y	NT	0.9	12.47		
OW-1	817.20	1255	Y	NT	1.1	9.50		
OW-2	817.64	1315	Y	NT	1.0	11.70		on the flight line
OW-3	819.04	1316	Y	NT	1.1	13.62		on the flight line
OW-4	817.20	1328	Y	NT	1.2	11.59		on the flight line
OW-6	816.40	1335	Y	NT	1.0	11.74		on the flight line
P11-1	819.98	1400	Y	NT	0.9	DRY-Top of Pump hit at 8.0 ft		
P16-1	816.50	1300	Y	NT	1.0	6.22		on the flight line
P18-1	816.72	1339	Y	NT	1.2	DRY-Top of Pump		on the flight line
P18-2	817.91	1321	Y	NT	1.1	DRY-Top of Pump		on the flight line
WP-NEA-PZ32	821.60	NT	NT	NT	NT	NT	NT	
WP-NEA-MW20-2S	821.49	1515	Y	NT	NT	10.88	11.13	wasp nest - used Raid®
WP-NEA-MW21-3S	820.85	1310	Y	NT	Top of Prod: 11.75, Top of wtr: 12.52, 20 oz. product removed			
WP-NEA-MW22-3S	817.87	1303	Y	NT	1.0	8.52		on the flight line
WP-NEA-MW23-2S	816.50	1354	Y	NT	1.0	8.49		on the flight line
WP-NEA-MW24-2S	818.68	1350	Y	NT	1.0	11.43		
WP-NEA-MW25-3S	815.20	1345	Y	NT	1.0	11.85		on the flight line
WP-NEA-MW26-3S	819.23	1405	Y	NT	1.1	14.16		on the flight line
WP-NEA-MW28-5S		1300	Y	NT	1.1	13.55	14.23	flush mount
WP-NEA-MW29-2S	816.23	1345	Y	NT	0.9	11.97		on the flight line

TOC = Top of casing
TOPC = Top of protective casing

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tyburski	Date: 10/17/00	Chain Of Custody Number: ~~14689~~ 14689 stet
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700	Lab Number:	Page 1 of 3
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX/821758469914		
Contract/Purchase Order/Quote No.			

Analysis

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	~~BTEX~~ 8260 w/MTBE	Methane, ethane, ethene	N/Nitrate, Nitrite	Sulfate
BMP-OW-1-1000	10-17-00	1620	Gndwtr	120ml	VOA	3	HCl		X			
↓	↓	↓		↓	↓	↓	↓			X		
				250ml	Poly	1	H_2SO_4 4°C				X	
				↓	↓	↓						X
BMP-NEA-MW28-5S-1000	10-17-00	1435		120ml	VOA	3	HCl		X			
↓	↓	↓		↓	↓	↓	↓			X		
				250ml	Poly	1	H_2SO_4 4°C				X	
				↓	↓	↓						X
BMP-NEA-MW26-3S-1000	10-17-00	1340		120ml	VOA	3	HCl		X			
↓	↓	↓		↓	↓	2	↓			X		
				250ml	Poly	1	H_2SO_4 4°C				X	
				↓	↓	↓						X
TB101700	10-17-00	0800	Trip Blank	80ml	VOA	2	HCl		X			
BMP-NEA-MW20-2S-1000	↓	1432	Gndwtr	120ml	VOA	3	HCl		X			
↓	↓	↓	↓	120ml	VOA	3	HCl			X		
				250ml	Poly	1	H_2SO_4				X	

Special Instructions: VOCs by 8260

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/17/00	1830	1. Received By: Fed-Ex	10/17/00	1830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

14689

Client	Project Manager	Date	Chain Of Custody Number
IT Corporation	Joe Tyburski	10/17/00	~~13800~~
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	
11499 Chester Rd	(513) 782-4700		Page 2 of 3
City / State / Zip Code	**Site Contact**		
Cincinnati / OH / 45246	Greg Plamondon		
Project Name	**Carrier/Waybill Number**		
WPAFB	fedex / 821 758 469914		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	BTEX	Methanol	N/Nitrate/Nitrite	Sulfate
BMP-NEA-MW20-25-1000	10-17-00	1432	Gndwatr	250ml	Poly	1	4°C					X
BMP-NEA-MW20-25-5000						1	~~H_2SO_4~~ none					X
						1	H_2SO_4				X	
				120 ml	VOA	3	HCl			X		
						3	HCl		X			
BMP-04-S18-M-1000	10-17-00	1642		120 ml	VOA	3	HCl		X			
				120ml	VOA	3	HCl			X		
				250ml	Poly	1	H_2SO_4				X	
				250ml	Poly	1	4°C					X
BMP-04-S18-M-1000 MS				120 ml	VOA	3	HCl		X			
						3				X		
				250ml	Poly	1	H_2SO_4				X	
						1	4°C					X
BMP-04-S18-M-1000 MSD				120ml	VOA	3	HCl		X			
						3				X		
				250ml	Poly	1	H_2SO_4				X	

Analysis

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/17/00	1830	1. Received By: FedEx	10/17/00	1830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

14689

Client	Project Manager	Date	Chain Of Custody Number
IT Corporation	Joe Tyburski	10/17/00	~~13800~~
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	
11499 Chester Rd	(513) 782-4700		Page 2 of 3
City / State / Zip Code	**Site Contact**		
Cincinnati / OH / 45246	Greg Plamondon		
Project Name	**Carrier/Waybill Number**		
WPAFB	fedex / 821 758 469914		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	BTEX	Methanol	Nitrate/Nitrite	Sulfate
BMP-NEA-MW20-25-1000	10-17-00	1432	Gnd water	250ml	Poly	1	4°C					X
BMP-NEA-MW20-25-5000						1	~~H_2SO_4~~ none					X
						1	H_2SO_4				X	
				120 ml	VOA	3	HCl			X		
						3	HCl		X			
BMP-04-S18-M-1000	10-17-00	1642		120 ml	VOA	3	HCl		X			
				120ml	VOA	3	HCl			X		
				250ml	Poly	1	H_2SO_4				X	
				250ml	Poly	1	4°C					X
BMP-04-S18-M-1000 MS				120 ml	VOA	3	HCl		X			
						3				X		
				250ml	Poly	1	H_2SO_4				X	
						1	4°C					X
BMP-04-S18-M-1000 MSD				120ml	VOA	3	HCl		X			
						3				X		
				250ml	Poly	1	H_2SO_4				X	

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify):

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/17/00	1830	1. Received By: FedEx	10/17/00	1830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tyburski	Date: 10/17/00	Chain Of Custody Number: ~~13601~~ 14689
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700	Lab Number:	Page 3 of 3
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: Fedex/821 758469914		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	Analysis: Sulfate
BMP-04-518-M-1000 MSD	10-17-00	1642	Grdwtr	250ml	Poly	1	4°C		X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/17/00	1830	1. Received By: FedEx	10/17/00	1830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tybuiski	Date: 10/19/00	Chain Of Custody Number: 13604
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4749	Lab Number:	Page 1 of 3
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX / 8209670869 75		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/ MTBE	Nitrate/Nitrite as N	Sulfate	meth/etn/etn
BMP-NEA-MW21-35-1000	10/19/00	1020	Gnd wtr	120 ml	VOA	3	4°C		X			
				250 ml	Poly	1	H_2SO_4			X		
				250 ml	Poly	1	4°C				X	
BMP-NEA-MW21-35-5000				120 ml	VOA	3	4°C		X			
				250 ml	Poly	1	H_2SO_4			X		
				250 ml			4°C				X	
BMP-04-016-M-1000		1130		120 ml	VOA	3	4°C		X			
				250 ml	Poly	1	H_2SO_4			X		
							4°C				X	
BMP-OW-4-1000		1315		120 ml	VOA	3	4°C		X			
				500 ml	Poly	1	H_2SO_4			X		
				500 ml			4°				X	
BMP-P18-1-1000		1235		120 ml	VOA	3	4°C		X			
				250 ml	Poly	1	H_2SO_4			X		
				250 ml			4°				X	
BMP-OW-4-1000		1315		120 ml	VOA	3	4°C					X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/19/00	1815	1. Received By: FedEx	10/19/00	1815
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

13604

Client	Project Manager	Date	Chain Of Custody Number
IT Corporation	Joe Tyburski	10/19/00	~~13606~~

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 3
11499 Chester Rd	(513)782-4700 / (513)782-4974		

City	State	Zip Code	Site Contact
Cincinnati	OH	45246	Greg Plamondon

Project Name	Carrier/Waybill Number
WPAFB	FEDEX / 820967086975

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	Methane/ethane/ethene
BMP-NEA-MW21-3S-1000	10/19/00	1020	~~120ml~~ Gnd wtr	~~VPA~~ 120ml	VOA	3	4°		X
BMP-04-014-M-1000	↓	1130	↓	↓	↓	↓	↓		X
BMP-NEA-MW21-3S-5000	↓	1020	↓	↓	↓	↓	↓		X
← LAST ENTRY →									

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/19/00	1815	1. Received By: FedEx	10/19/00	1815
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

13604

Client: IT Corporation	Project Manager: Joe Tyburski	Date: 10-19-00	Chain Of Custody Number: ~~13605~~
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700/(513)782-4749	Lab Number:	Page 3 of 3
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: Fedex 820967086975		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/ MTBE	methylene chloride	Nitrates	Sulfates
BMP-OW-2-1000	10-19-00	1035	Gndwtr	120ml	VOA	3	HCl		X			
				120ml	VOA	3	HCl			X		
				500ml	Poly	1	H_2SO_4				X	
				500ml	Poly	1	4°C					X
BMP-OW-3-1000		1145		120ml	VOA	3	4°C		X			
				120ml	VOA	3	4°C			X		
				500ml	Poly	1	H_2SO_4				X	
				500ml	Poly	1	4°C					X
BMP-P18-2-1000		1300		120ml	VOA	3	4°C		X			
				250ml	Poly	1	H_2SO_4					X
				120ml	VOA	3	4°C			X		
BMP-P18-1-1000		1300		120ml					X			
				250ml	Poly	1	H_2SO_4			X		
							4°C					X

Special Instructions

DP

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/19/00	1815	1. Received By: FedEx	10/19/00	1815
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tyburski	Date: 12/8/00	Chain Of Custody Number: 12959
Address: 11499 Chester Rd.	Telephone Number (Area Code)/Fax Number: 513 782-4700 513 782-4747	Lab Number: (330)966-9789	Page 1 of 1
City: Cincy; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX 820967086910		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	methane/ethane	nitrate/nitrite	sulfate
NEA-MW28-SS-1000	12/8/00	1212	~~VOA~~ Grnd Wtr	120 ml	VOA	3	HCl		X			
				120 ml	VOA	3	HCl			X		
				250 ml	POLY	1	H_2SO_4				X	
				250 ml	POLY	1	4°C					X
NEA-MW28-SS-5000				120 ml	VOA	3	HCl		X			
				120 ml	VOA	3	HCl			X		
				250 ml	POLY	1	H_2SO_4				X	
				250 ml	POLY	1	4°C					X
BNLP-120800-TB01	12/8/00	0900	TRIP BLANK	80 ml	VOA	2	4°C					

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	12/8/00	1530	1. Received By: Fed Ex	12/8/00	1530
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Appendix G

OU2 Groundwater Analytical Data
OU2 Soil Gas Analytical Data

Analytical Legend

AMB – Ambient
B (or MBB, MBD) - Method blank contamination present
D - Diluted sample analytical results
DUP - Duplicate
EW – Extraction Well
E - Estimated result. Concentration exceeds the calibration range
I - Quantification suspect due to matrix interference
IW – Insufficient Water
J – Estimated Result. Result less than Reporting Limit
LCS – Laboratory Control Sample
LF – Landfill
LW – Line Water
mg/L – milligrams/Liter
µg/L – micrograms/Liter
MW – Monitoring Well
N – Spiked analyte recovery is outside stated control limits
NA - Not Applicable
ND – Not Detected
NR – Not Reported
pg/L – picograms/Liter
Q - Estimated maximum possible concentration
RB – Rinsate Blank
R2 – Indicates second re-extraction analysis run was required due to surrogate recoveries outside of acceptance criteria on the initial sample run or that analytical results presented are for a diluted sample due to high target analytes.
T or TB – Trip Blank

-- – Not Analyzed
= – Confirmed detection
( ) – Result exceeds MCL value
[ ] – Result exceeds background value

CASE NARRATIVE
A0J190160

The following report contains the analytical results for eight water samples submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received October 18, 2000, according to documented sample acceptance procedures.

The Dissolved Gases analyses were performed at STL Austin. A copy of their data is presented in this report.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 2.3° C. The samples were received in wet ice.

Sample BMP-OW1-1000 was received but was not listed on the chain-of-custody. The same analyses as listed on the chain-of-custody were performed on this sample.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The sample(s) had elevated reporting limits due to TICs.

GENERAL CHEMISTRY

The sample(s) had elevated reporting limits due to matrix interferences or dilution.

SAMPLE SUMMARY

A0J190160

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DNE1L	001	BMP-OW-1-1000	10/17/00	16:20
DNE10	002	BMP-NEA-MW28-5S-1000	10/17/00	14:35
DNE12	003	BMP-NEA-MW26-3S-1000	10/17/00	13:40
DNE15	004	TB101700	10/17/00	08:00
DNE17	005	BMP-NEA-MW20-2S-1000	10/17/00	14:32
DNE3D	006	BMP-NEA-MW20-2S-5000	10/17/00	14:32
DNE3N	007	BMP-04-518-M-1000	10/17/00	16:42
DNE3T	008	BMP-OW1-1000-AMB01	10/17/00	16:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J190160

PARAMETER	ANALYTICAL METHOD
Dissolved Gases in Water	RSK SOP-175
Nitrate-Nitrite	MCAWW 353.2
Sulfate	MCAWW 300.0A
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

RSK Sample Prep and Calculations for Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibration Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0J200249

The following report contains the analytical results for eight water samples submitted to STL North Canton by The IT Corporation from the WPAFB Site. The samples were received October 20, 2000, according to documented sample acceptance procedures.

Dissolved Gas analyses were performed at STL's Austin, Texas facility.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The samples were received at the laboratory at a temperature of 2.7° C.

The client was notified of receiving anomalies on the cooler receipt form on October 28, 2000.

GC/MS VOLATILES

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

CASE NARRATIVE (continued)

GC/MS VOLATILES (continued)

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The pH of the samples BMP-NEA-MW21-3S-1000, BMP-NEA-MW21-3S-5000, BMP-04-016-M-1000, BMP-OW-4-1000, BMP-P18-1-1000, BMP-OW-3-1000, and BMP-P18-2-1000 was greater than 2. The samples were analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.

The reporting limit is lower than our standard reporting limit (SRL) but is supported by the laboratory's MDL and/or IDLs; however, there are no standards in the calibration curve low enough to support this value. The continuing calibration blanks and method blanks may not support the lower RL.

The sample(s) had elevated reporting limits due to matrix interferences, TICs, or dilution.

GENERAL CHEMISTRY

An LCS/LCSD was provided since there was insufficient sample volume to perform an MS/MSD.

SAMPLE SUMMARY

A0J200249

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DNJDL	001	BMP-NEA-MW21-3S-1000	10/19/00	10:20
DNJF2	002	BMP-NEA-MW21-3S-5000	10/19/00	10:20
DNJF5	003	BMP-04-016-M-1000	10/19/00	11:30
DNJF7	004	BMP-OW-4-1000	10/19/00	13:15
DNJF8	005	BMP-P18-1-1000	10/19/00	12:35
DNJGE	006	BMP-OW-2-1000	10/19/00	10:35
DNJGH	007	BMP-OW-3-1000	10/19/00	11:45
DNJGK	008	BMP-P18-2-1000	10/19/00	11:45

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J200249

PARAMETER	ANALYTICAL METHOD
Dissolved Gases in Water	RSK SOP-175
Nitrate-Nitrite	MCAWW 353.2
Sulfate	MCAWW 300.0A
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

RSK Sample Prep and Calculations for Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibration Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		BMP-04-016-M-1000		BMP-04-016-M-1000 R2		BMP-04-518-M-1000		BMP-04-518-M-1000 R2		BMP-NEA-MW20-2S-1000	
Sample Date		10/19/00		10/19/00		10/17/00		10/17/00		10/17/00	
E353.2											
Nitrate-Nitrite	(mg/L)	ND		--		ND		--		ND	
M2720C											
Ethane	(ug/L)	0.83	=	ND		ND		ND		ND	
Methane	(ug/L)	950	B,E	7000	B,D	4700	B,D	910	B,E	1100	B,E
SULFATE/NI											
Sulfate	(mg/L)	ND		--		ND		--		2.4	=
VOC											
2-Butanone	(ug/L)	ND		--		ND		--		ND	
Acetone	(ug/L)	6.7	J,B	--		ND		--		ND	
Benzene	(ug/L)	(9.2)	=	--		(20)	=	--		(46)	=
Bromodichloromethane	(ug/L)	ND		--		ND		--		ND	
Bromoform	(ug/L)	ND		--		ND		--		ND	
Chlorobenzene	(ug/L)	19	=	--		ND		--		ND	
Chloroform	(ug/L)	ND		--		ND		--		ND	
Dibromochloromethane	(ug/L)	ND		--		ND		--		ND	
Ethylbenzene	(ug/L)	ND		--		ND		--		ND	
Methyl tert-butyl ether	(ug/L)	ND		--		ND		--		ND	
Methylene chloride	(ug/L)	ND		--		ND		--		ND	
Toluene	(ug/L)	0.77	J	--		ND		--		ND	
Xylenes (total)	(ug/L)	ND		--		ND		--		ND	

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		BMP-NEA-MW20-2S-1000 R2		BMP-NEA-MW20-2S-5000		BMP-NEA-MW20-2S-5000 R2		BMP-NEA-MW21-3S-1000		BMP-NEA-MW21-3S-1000 R2	
Sample Date		10/17/00		10/17/00		10/17/00		10/19/00		10/19/00	
E353.2											
Nitrate-Nitrite	(mg/L)	--		ND		--		ND		--	
M2720C											
Ethane	(ug/L)	ND		ND		ND		0.67	=	ND	
Methane	(ug/L)	6800	B,D	950	B,E	6200	B,D	840	B,E	5800	B,D
SULFATE/NI											
Sulfate	(mg/L)	--		2.0	=	--		ND		--	
VOC											
2-Butanone	(ug/L)	--		ND		--		ND		--	
Acetone	(ug/L)	--		ND		--		47	J,B	--	
Benzene	(ug/L)	--		(46)	=	--		(290)	=	--	
Bromodichloromethane	(ug/L)	--		ND		--		ND		--	
Bromoform	(ug/L)	--		ND		--		ND		--	
Chlorobenzene	(ug/L)	--		ND		--		ND		--	
Chloroform	(ug/L)	--		ND		--		ND		--	
Dibromochloromethane	(ug/L)	--		ND		--		ND		--	
Ethylbenzene	(ug/L)	--		ND		--		260	=	--	
Methyl tert-butyl ether	(ug/L)	--		ND		--		ND		--	
Methylene chloride	(ug/L)	--		ND		--		15	J	--	
Toluene	(ug/L)	--		ND		--		ND		--	
Xylenes (total)	(ug/L)	--		ND		--		320	=	--	

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		BMP-NEA-MW21-3S-5000		BMP-NEA-MW21-3S-5000 R2		BMP-NEA-MW26-3S-1000		BMP-NEA-MW28-5S-1000		BMP-NEA-MW28-5S-1000 R2	
Sample Date		10/19/00		10/19/00		10/17/00		10/17/00		10/17/00	
E353.2											
Nitrate-Nitrite	(mg/L)	ND		--		ND		ND		--	
M2720C											
Ethane	(ug/L)	0.58	=	ND		ND		ND		ND	
Methane	(ug/L)	810	B,E	4700	B,D	26	B	580	B,E	1900	B,D
SULFATE/NI											
Sulfate	(mg/L)	ND		--		54.5	=	ND		--	
VOC											
2-Butanone	(ug/L)	ND		--		ND		ND		--	
Acetone	(ug/L)	32	J,B	--		1.6	J,B	ND		--	
Benzene	(ug/L)	(290)	=	--		ND		ND		--	
Bromodichloromethane	(ug/L)	ND		--		ND		ND		--	
Bromoform	(ug/L)	ND		--		ND		ND		--	
Chlorobenzene	(ug/L)	ND		--		ND		ND		--	
Chloroform	(ug/L)	ND		--		ND		ND		--	
Dibromochloromethane	(ug/L)	ND		--		ND		ND		--	
Ethylbenzene	(ug/L)	250	=	--		ND		ND		--	
Methyl tert-butyl ether	(ug/L)	ND		--		ND		ND		--	
Methylene chloride	(ug/L)	12	J	--		0.72	J	ND		--	
Toluene	(ug/L)	ND		--		0.22	J	0.21	J	--	
Xylenes (total)	(ug/L)	330	=	--		ND		ND		--	

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		BMP-OW-1-1000		BMP-OW-1-1000 R2		BMP-OW-2-1000		BMP-OW-2-1000 R2		BMP-OW-3-1000	
Sample Date		10/17/00		10/17/00		10/19/00		10/19/00		10/19/00	
E353.2											
Nitrate-Nitrite	(mg/L)	ND		--		ND		--		ND	
M2720C											
Ethane	(ug/L)	0.35	J	ND		0.50	=	ND		0.31	J
Methane	(ug/L)	700	B,E	4200	B,D	980	B,E	7300	B,D	840	B,E
SULFATE/NI											
Sulfate	(mg/L)	ND		--		ND		--		ND	
VOC											
2-Butanone	(ug/L)	ND		--		ND		--		ND	
Acetone	(ug/L)	45	J,B	--		24	J,B	--		ND	
Benzene	(ug/L)	ND		--		ND		--		ND	
Bromodichloromethane	(ug/L)	ND		--		ND		--		ND	
Bromoform	(ug/L)	ND		--		ND		--		ND	
Chlorobenzene	(ug/L)	ND		--		ND		--		ND	
Chloroform	(ug/L)	ND		--		ND		--		ND	
Dibromochloromethane	(ug/L)	ND		--		ND		--		ND	
Ethylbenzene	(ug/L)	ND		--		ND		--		ND	
Methyl tert-butyl ether	(ug/L)	ND		--		ND		--		ND	
Methylene chloride	(ug/L)	ND		--		ND		--		ND	
Toluene	(ug/L)	ND		--		ND		--		ND	
Xylenes (total)	(ug/L)	ND		--		ND		--		ND	

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		BMP-OW-3-1000 R2		BMP-OW-4-1000		BMP-OW-4-1000 R2		BMP-OW1-1000-AMB01		BMP-P18-1-1000	
Sample Date		10/19/00		10/19/00		10/19/00		10/17/00		10/19/00	
E353.2											
Nitrate-Nitrite	(mg/L)	--		ND		--		2.0	=	ND	
M2720C											
Ethane	(ug/L)	ND		0.29	J	ND		ND		ND	
Methane	(ug/L)	4500	B,D	800	B,E	4300	B,D	0.81	B	970	B,E
SULFATE/NI											
Sulfate	(mg/L)	--		1.5	=	--		23.5	=	ND	
VOC											
2-Butanone	(ug/L)	--		5.7	J	--		ND		ND	
Acetone	(ug/L)	--		20	B	--		2.3	J,B	5.5	J,B
Benzene	(ug/L)	--		ND		--		0.87	J	ND	
Bromodichloromethane	(ug/L)	--		ND		--		3.4	=	ND	
Bromoform	(ug/L)	--		ND		--		0.27	J	ND	
Chlorobenzene	(ug/L)	--		ND		--		ND		ND	
Chloroform	(ug/L)	--		ND		--		20	=	ND	
Dibromochloromethane	(ug/L)	--		ND		--		1.3	=	ND	
Ethylbenzene	(ug/L)	--		ND		--		ND		ND	
Methyl tert-butyl ether	(ug/L)	--		ND		--		0.12	J	ND	
Methylene chloride	(ug/L)	--		1.0	J	--		0.64	J	2.0	J
Toluene	(ug/L)	--		ND		--		0.44	J	ND	
Xylenes (total)	(ug/L)	--		ND		--		ND		ND	

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		BMP-P18-1-1000 R2		BMP-P18-2-1000		BMP-P18-2-1000 R2		NEA-MW28-5S-1000		NEA-MW28-5S-1000 R2	
Sample Date		10/19/00		10/19/00		10/19/00		12/08/00		12/08/00	
E353.2											
Nitrate-Nitrite	(mg/L)	--		ND		--		ND		--	
M2720C											
Ethane	(ug/L)	ND		ND		ND		0.29	J	ND	
Methane	(ug/L)	6000	B,D	990	B,E	5000	B,D	830	E,B	5400	D,B
SULFATE/NI											
Sulfate	(mg/L)	--		ND		--		ND		--	
VOC											
2-Butanone	(ug/L)	--		ND		--		ND		--	
Acetone	(ug/L)	--		19	J,B	--		35	B	--	
Benzene	(ug/L)	--		ND		--		0.46	J	--	
Bromodichloromethane	(ug/L)	--		ND		--		ND		--	
Bromoform	(ug/L)	--		ND		--		ND		--	
Chlorobenzene	(ug/L)	--		ND		--		ND		--	
Chloroform	(ug/L)	--		ND		--		ND		--	
Dibromochloromethane	(ug/L)	--		ND		--		ND		--	
Ethylbenzene	(ug/L)	--		ND		--		ND		--	
Methyl tert-butyl ether	(ug/L)	--		ND		--		ND		--	
Methylene chloride	(ug/L)	--		4.0	J	--		ND		--	
Toluene	(ug/L)	--		ND		--		ND		--	
Xylenes (total)	(ug/L)	--		ND		--		ND		--	

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		NEA-MW28-5S-5000		NEA-MW28-5S-5000 R2		BMP-120800-TB01		TB101700	
Sample Date		12/08/00		12/08/00		12/08/00		10/17/00	
E353.2									
Nitrate-Nitrite	(mg/L)	ND		--		--		--	
M2720C									
Ethane	(ug/L)	0.29	J	ND		--		--	
Methane	(ug/L)	860	E,B	5500	D,B	--		--	
SULFATE/NI									
Sulfate	(mg/L)	ND		--		--		--	
VOC									
2-Butanone	(ug/L)	ND		--		ND		ND	
Acetone	(ug/L)	35	B	--		1.1	J,B	1.0	J,B
Benzene	(ug/L)	0.28	J	--		ND		ND	
Bromodichloromethane	(ug/L)	ND		--		ND		ND	
Bromoform	(ug/L)	ND		--		ND		ND	
Chlorobenzene	(ug/L)	0.35	J	--		ND		ND	
Chloroform	(ug/L)	ND		--		ND		ND	
Dibromochloromethane	(ug/L)	ND		--		ND		ND	
Ethylbenzene	(ug/L)	ND		--		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		--		ND		ND	
Methylene chloride	(ug/L)	ND		--		0.25	J	0.96	J
Toluene	(ug/L)	ND		--		ND		ND	
Xylenes (total)	(ug/L)	ND		--		ND		ND	

-- = Not Applicable, ND = Not Detected, ()=Result Exceeds MCL Value, [ ]=Result Exceeds Background Value

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		BMP-04-016-M-1000		BMP-04-016-M-1000 R2		BMP-04-518-M-1000		BMP-04-518-M-1000 R2		BMP-NEA-MW20-2S-1000	
Sample Date		10/19/00		10/19/00		10/17/00		10/17/00		10/17/00	
E353.2											
Nitrate-Nitrite	(mg/L)	0.1	ND	--		0.1	ND	--		0.1	ND
M2720C											
Ethane	(ug/L)	0.83	=	50	ND	50	ND	0.50	ND	0.50	ND
Ethene	(ug/L)	0.50	ND	50	ND	50	ND	0.50	ND	0.50	ND
Methane	(ug/L)	950	B,E	7000	B,D	4700	B,D	910	B,E	1100	B,E
SULFATE/NI											
Sulfate	(mg/L)	1.0	ND	--		1.0	ND	--		2.4	=
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	--		(10)	ND	--		(5.0)	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	--		(10)	ND	--		5.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	--		(10)	ND	--		(5.0)	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	--		(10)	ND	--		(5.0)	ND
2-Butanone	(ug/L)	10	ND	--		100	ND	--		50	ND
2-Hexanone	(ug/L)	10	ND	--		100	ND	--		50	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	--		100	ND	--		50	ND
Acetone	(ug/L)	6.7	J,B	--		100	ND	--		50	ND
Benzene	(ug/L)	(9.2)	=	--		(20)	=	--		(46)	=
Bromodichloromethane	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
Bromoform	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
Bromomethane	(ug/L)	2.0	ND	--		20	ND	--		10	ND
Carbon disulfide	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	--		(10)	ND	--		(5.0)	ND
Chlorobenzene	(ug/L)	19	=	--		10	ND	--		5.0	ND
Chloroethane	(ug/L)	2.0	ND	--		20	ND	--		10	ND
Chloroform	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
Chloromethane	(ug/L)	2.0	ND	--		20	ND	--		10	ND
Dibromochloromethane	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
Ethylbenzene	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	--		50	ND	--		25	ND
Methylene chloride	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
Styrene	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
Tetrachloroethene	(ug/L)	1.0	ND	--		(10)	ND	--		(5.0)	ND
Toluene	(ug/L)	0.77	J	--		10	ND	--		5.0	ND
Trichloroethene	(ug/L)	2.0	ND	--		(20)	ND	--		(10)	ND
Vinyl chloride	(ug/L)	1.0	ND	--		(10)	ND	--		(5.0)	ND
Xylenes (total)	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	--		5.0	ND	--		2.5	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	--		5.0	ND	--		2.5	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	--		10	ND	--		5.0	ND

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		BMP-NEA-MW20-2S-1000 R2		BMP-NEA-MW20-2S-5000		BMP-NEA-MW20-2S-5000 R2		BMP-NEA-MW21-3S-1000		BMP-NEA-MW21-3S-1000 R2	
Sample Date		10/17/00		10/17/00		10/17/00		10/19/00		10/19/00	
E353.2											
Nitrate-Nitrite	(mg/L)	--		0.1	ND	--		0.1	ND	--	
M2720C											
Ethane	(ug/L)	50	ND	0.50	ND	50	ND	0.67	=	50	ND
Ethene	(ug/L)	50	ND	0.50	ND	50	ND	0.50	ND	50	ND
Methane	(ug/L)	6800	B,D	950	B,E	6200	B,D	840	B,E	5800	B,D
SULFATE/NI											
Sulfate	(mg/L)	--		2.0	=	--		1.0	ND	--	
VOC											
1,1,1-Trichloroethane	(ug/L)	--		8.3	ND	--		25	ND	--	
1,1,2,2-Tetrachloroethane	(ug/L)	--		8.3	ND	--		25	ND	--	
1,1,2-Trichloroethane	(ug/L)	--		(8.3)	ND	--		(25)	ND	--	
1,1-Dichloroethane	(ug/L)	--		8.3	ND	--		25	ND	--	
1,1-Dichloroethene	(ug/L)	--		(8.3)	ND	--		(25)	ND	--	
1,2-Dichloroethane	(ug/L)	--		(8.3)	ND	--		(25)	ND	--	
1,2-Dichloropropane	(ug/L)	--		(8.3)	ND	--		(25)	ND	--	
2-Butanone	(ug/L)	--		83	ND	--		250	ND	--	
2-Hexanone	(ug/L)	--		83	ND	--		250	ND	--	
4-Methyl-2-pentanone	(ug/L)	--		83	ND	--		250	ND	--	
Acetone	(ug/L)	--		83	ND	--		47	J,B	--	
Benzene	(ug/L)	--		(46)	=	--		(290)	=	--	
Bromodichloromethane	(ug/L)	--		8.3	ND	--		25	ND	--	
Bromoform	(ug/L)	--		8.3	ND	--		25	ND	--	
Bromomethane	(ug/L)	--		17	ND	--		50	ND	--	
Carbon disulfide	(ug/L)	--		8.3	ND	--		25	ND	--	
Carbon tetrachloride	(ug/L)	--		(8.3)	ND	--		(25)	ND	--	
Chlorobenzene	(ug/L)	--		8.3	ND	--		25	ND	--	
Chloroethane	(ug/L)	--		17	ND	--		50	ND	--	
Chloroform	(ug/L)	--		8.3	ND	--		25	ND	--	
Chloromethane	(ug/L)	--		17	ND	--		50	ND	--	
Dibromochloromethane	(ug/L)	--		8.3	ND	--		25	ND	--	
Ethylbenzene	(ug/L)	--		8.3	ND	--		260	=	--	
Methyl tert-butyl ether	(ug/L)	--		42	ND	--		120	ND	--	
Methylene chloride	(ug/L)	--		8.3	ND	--		15	J	--	
Styrene	(ug/L)	--		8.3	ND	--		25	ND	--	
Tetrachloroethene	(ug/L)	--		(8.3)	ND	--		(25)	ND	--	
Toluene	(ug/L)	--		8.3	ND	--		25	ND	--	
Trichloroethene	(ug/L)	--		(17)	ND	--		(50)	ND	--	
Vinyl chloride	(ug/L)	--		(8.3)	ND	--		(25)	ND	--	
Xylenes (total)	(ug/L)	--		8.3	ND	--		320	=	--	
cis-1,2-Dichloroethene	(ug/L)	--		4.2	ND	--		12	ND	--	
cis-1,3-Dichloropropene	(ug/L)	--		8.3	ND	--		25	ND	--	
trans-1,2-Dichloroethene	(ug/L)	--		4.2	ND	--		12	ND	--	
trans-1,3-Dichloropropene	(ug/L)	--		8.3	ND	--		25	ND	--	

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		BMP-NEA-MW21-3S-5000		BMP-NEA-MW21-3S-5000 R2		BMP-NEA-MW26-3S-1000		BMP-NEA-MW28-5S-1000		BMP-NEA-MW28-5S-1000 R2	
Sample Date		10/19/00		10/19/00		10/17/00		10/17/00		10/17/00	
E353.2											
Nitrate-Nitrite	(mg/L)	0.1	ND	--		0.1	ND	0.1	ND	--	
M2720C											
Ethane	(ug/L)	0.58	=	50	ND	0.50	ND	0.50	ND	25	ND
Ethene	(ug/L)	0.50	ND	50	ND	0.50	ND	0.50	ND	25	ND
Methane	(ug/L)	810	B,E	4700	B,D	26	B	580	B,E	1900	B,D
SULFATE/NI											
Sulfate	(mg/L)	1.0	ND	--		54.5	=	1.0	ND	--	
VOC											
1,1,1-Trichloroethane	(ug/L)	25	ND	--		1.0	ND	1.0	ND	--	
1,1,2,2-Tetrachloroethane	(ug/L)	25	ND	--		1.0	ND	1.0	ND	--	
1,1,2-Trichloroethane	(ug/L)	(25)	ND	--		1.0	ND	1.0	ND	--	
1,1-Dichloroethane	(ug/L)	25	ND	--		1.0	ND	1.0	ND	--	
1,1-Dichloroethene	(ug/L)	(25)	ND	--		1.0	ND	1.0	ND	--	
1,2-Dichloroethane	(ug/L)	(25)	ND	--		1.0	ND	1.0	ND	--	
1,2-Dichloropropane	(ug/L)	(25)	ND	--		1.0	ND	1.0	ND	--	
2-Butanone	(ug/L)	250	ND	--		10	ND	10	ND	--	
2-Hexanone	(ug/L)	250	ND	--		10	ND	10	ND	--	
4-Methyl-2-pentanone	(ug/L)	250	ND	--		10	ND	10	ND	--	
Acetone	(ug/L)	32	J,B	--		1.6	J,B	10	ND	--	
Benzene	(ug/L)	(290)	=	--		1.0	ND	1.0	ND	--	
Bromodichloromethane	(ug/L)	25	ND	--		1.0	ND	1.0	ND	--	
Bromoform	(ug/L)	25	ND	--		1.0	ND	1.0	ND	--	
Bromomethane	(ug/L)	50	ND	--		2.0	ND	2.0	ND	--	
Carbon disulfide	(ug/L)	25	ND	--		1.0	ND	1.0	ND	--	
Carbon tetrachloride	(ug/L)	(25)	ND	--		1.0	ND	1.0	ND	--	
Chlorobenzene	(ug/L)	25	ND	--		1.0	ND	1.0	ND	--	
Chloroethane	(ug/L)	50	ND	--		2.0	ND	2.0	ND	--	
Chloroform	(ug/L)	25	ND	--		1.0	ND	1.0	ND	--	
Chloromethane	(ug/L)	50	ND	--		2.0	ND	2.0	ND	--	
Dibromochloromethane	(ug/L)	25	ND	--		1.0	ND	1.0	ND	--	
Ethylbenzene	(ug/L)	250	=	--		1.0	ND	1.0	ND	--	
Methyl tert-butyl ether	(ug/L)	120	ND	--		5.0	ND	5.0	ND	--	
Methylene chloride	(ug/L)	12	J	--		0.72	J	1.0	ND	--	
Styrene	(ug/L)	25	ND	--		1.0	ND	1.0	ND	--	
Tetrachloroethene	(ug/L)	(25)	ND	--		1.0	ND	1.0	ND	--	
Toluene	(ug/L)	25	ND	--		0.22	J	0.21	J	--	
Trichloroethene	(ug/L)	(50)	ND	--		2.0	ND	2.0	ND	--	
Vinyl chloride	(ug/L)	(25)	ND	--		1.0	ND	1.0	ND	--	
Xylenes (total)	(ug/L)	330	=	--		1.0	ND	1.0	ND	--	
cis-1,2-Dichloroethene	(ug/L)	12	ND	--		0.50	ND	0.50	ND	--	
cis-1,3-Dichloropropene	(ug/L)	25	ND	--		1.0	ND	1.0	ND	--	
trans-1,2-Dichloroethene	(ug/L)	12	ND	--		0.50	ND	0.50	ND	--	
trans-1,3-Dichloropropene	(ug/L)	25	ND	--		1.0	ND	1.0	ND	--	

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		BMP-OW-1-1000		BMP-OW-1-1000 R2		BMP-OW-2-1000		BMP-OW-2-1000 R2		BMP-OW-3-1000	
Sample Date		10/17/00		10/17/00		10/19/00		10/19/00		10/19/00	
E353.2											
Nitrate-Nitrite	(mg/L)	0.1	ND	--		0.1	ND	--		0.1	ND
M2720C											
Ethane	(ug/L)	0.35	J	50	ND	0.50	=	50	ND	0.31	J
Ethene	(ug/L)	0.50	ND	50	ND	0.50	ND	50	ND	0.50	ND
Methane	(ug/L)	700	B,E	4200	B,D	980	B,E	7300	B,D	840	B,E
SULFATE/NI											
Sulfate	(mg/L)	1.0	ND	--		1.0	ND	--		1.0	ND
VOC											
1,1,1-Trichloroethane	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
1,1,2-Trichloroethane	(ug/L)	(12)	ND	--		3.3	ND	--		4.0	ND
1,1-Dichloroethane	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
1,1-Dichloroethene	(ug/L)	(12)	ND	--		3.3	ND	--		4.0	ND
1,2-Dichloroethane	(ug/L)	(12)	ND	--		3.3	ND	--		4.0	ND
1,2-Dichloropropane	(ug/L)	(12)	ND	--		3.3	ND	--		4.0	ND
2-Butanone	(ug/L)	120	ND	--		33	ND	--		40	ND
2-Hexanone	(ug/L)	120	ND	--		33	ND	--		40	ND
4-Methyl-2-pentanone	(ug/L)	120	ND	--		33	ND	--		40	ND
Acetone	(ug/L)	45	J,B	--		24	J,B	--		40	ND
Benzene	(ug/L)	(12)	ND	--		3.3	ND	--		4.0	ND
Bromodichloromethane	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
Bromoform	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
Bromomethane	(ug/L)	25	ND	--		6.7	ND	--		8.0	ND
Carbon disulfide	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
Carbon tetrachloride	(ug/L)	(12)	ND	--		3.3	ND	--		4.0	ND
Chlorobenzene	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
Chloroethane	(ug/L)	25	ND	--		6.7	ND	--		8.0	ND
Chloroform	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
Chloromethane	(ug/L)	25	ND	--		6.7	ND	--		8.0	ND
Dibromochloromethane	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
Ethylbenzene	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
Methyl tert-butyl ether	(ug/L)	62	ND	--		17	ND	--		20	ND
Methylene chloride	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
Styrene	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
Tetrachloroethene	(ug/L)	(12)	ND	--		3.3	ND	--		4.0	ND
Toluene	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
Trichloroethene	(ug/L)	(25)	ND	--		(6.7)	ND	--		(8.0)	ND
Vinyl chloride	(ug/L)	(12)	ND	--		(3.3)	ND	--		(4.0)	ND
Xylenes (total)	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
cis-1,2-Dichloroethene	(ug/L)	6.2	ND	--		1.7	ND	--		2.0	ND
cis-1,3-Dichloropropene	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND
trans-1,2-Dichloroethene	(ug/L)	6.2	ND	--		1.7	ND	--		2.0	ND
trans-1,3-Dichloropropene	(ug/L)	12	ND	--		3.3	ND	--		4.0	ND

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		BMP-OW-3-1000 R2		BMP-OW-4-1000		BMP-OW-4-1000 R2		BMP-OW1-1000-AMB01		BMP-P18-1-1000	
Sample Date		10/19/00		10/19/00		10/19/00		10/17/00		10/19/00	
E353.2											
Nitrate-Nitrite	(mg/L)	--		0.1	ND	--		2.0	=	0.1	ND
M2720C											
Ethane	(ug/L)	50	ND	0.29	J	50	ND	0.50	ND	0.50	ND
Ethene	(ug/L)	50	ND	0.50	ND	50	ND	0.50	ND	0.50	ND
Methane	(ug/L)	4500	B,D	800	B,E	4300	B,D	0.81	B	970	B,E
SULFATE/NI											
Sulfate	(mg/L)	--		1.5	=	--		23.5	=	1.0	ND
VOC											
1,1,1-Trichloroethane	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
1,1,2,2-Tetrachloroethane	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
1,1,2-Trichloroethane	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
1,1-Dichloroethane	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
1,1-Dichloroethene	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
1,2-Dichloroethane	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
1,2-Dichloropropane	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
2-Butanone	(ug/L)	--		5.7	J	--		10	ND	33	ND
2-Hexanone	(ug/L)	--		20	ND	--		10	ND	33	ND
4-Methyl-2-pentanone	(ug/L)	--		20	ND	--		10	ND	33	ND
Acetone	(ug/L)	--		20	B	--		2.3	J,B	5.5	J,B
Benzene	(ug/L)	--		2.0	ND	--		0.87	J	3.3	ND
Bromodichloromethane	(ug/L)	--		2.0	ND	--		3.4	=	3.3	ND
Bromoform	(ug/L)	--		2.0	ND	--		0.27	J	3.3	ND
Bromomethane	(ug/L)	--		4.0	ND	--		2.0	ND	6.7	ND
Carbon disulfide	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
Carbon tetrachloride	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
Chlorobenzene	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
Chloroethane	(ug/L)	--		4.0	ND	--		2.0	ND	6.7	ND
Chloroform	(ug/L)	--		2.0	ND	--		20	=	3.3	ND
Chloromethane	(ug/L)	--		4.0	ND	--		2.0	ND	6.7	ND
Dibromochloromethane	(ug/L)	--		2.0	ND	--		1.3	=	3.3	ND
Ethylbenzene	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
Methyl tert-butyl ether	(ug/L)	--		10	ND	--		0.12	J	17	ND
Methylene chloride	(ug/L)	--		1.0	J	--		0.64	J	2.0	J
Styrene	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
Tetrachloroethene	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
Toluene	(ug/L)	--		2.0	ND	--		0.44	J	3.3	ND
Trichloroethene	(ug/L)	--		4.0	ND	--		2.0	ND	(6.7)	ND
Vinyl chloride	(ug/L)	--		(2.0)	ND	--		1.0	ND	(3.3)	ND
Xylenes (total)	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
cis-1,2-Dichloroethene	(ug/L)	--		1.0	ND	--		0.50	ND	1.7	ND
cis-1,3-Dichloropropene	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND
trans-1,2-Dichloroethene	(ug/L)	--		1.0	ND	--		0.50	ND	1.7	ND
trans-1,3-Dichloropropene	(ug/L)	--		2.0	ND	--		1.0	ND	3.3	ND

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		BMP-P18-1-1000 R2		BMP-P18-2-1000		BMP-P18-2-1000 R2		NEA-MW28-5S-1000		NEA-MW28-5S-1000 R2	
Sample Date		10/19/00		10/19/00		10/19/00		12/08/00		12/08/00	
E353.2											
Nitrate-Nitrite	(mg/L)	--		0.1	ND	--		0.1	ND	--	
M2720C											
Ethane	(ug/L)	50	ND	0.50	ND	50	ND	0.29	J	50	ND
Ethene	(ug/L)	50	ND	0.50	ND	50	ND	0.50	ND	50	ND
Methane	(ug/L)	6000	B,D	990	B,E	5000	B,D	830	E,B	5400	D,B
SULFATE/NI											
Sulfate	(mg/L)	--		1.0	ND	--		1.0	ND	--	
VOC											
1,1,1-Trichloroethane	(ug/L)	--		10	ND	--		3.3	ND	--	
1,1,2,2-Tetrachloroethane	(ug/L)	--		10	ND	--		3.3	ND	--	
1,1,2-Trichloroethane	(ug/L)	--		(10)	ND	--		3.3	ND	--	
1,1-Dichloroethane	(ug/L)	--		10	ND	--		3.3	ND	--	
1,1-Dichloroethene	(ug/L)	--		(10)	ND	--		3.3	ND	--	
1,2-Dichloroethane	(ug/L)	--		(10)	ND	--		3.3	ND	--	
1,2-Dichloropropane	(ug/L)	--		(10)	ND	--		3.3	ND	--	
2-Butanone	(ug/L)	--		100	ND	--		33	ND	--	
2-Hexanone	(ug/L)	--		100	ND	--		33	ND	--	
4-Methyl-2-pentanone	(ug/L)	--		100	ND	--		33	ND	--	
Acetone	(ug/L)	--		19	J,B	--		35	B	--	
Benzene	(ug/L)	--		(10)	ND	--		0.46	J	--	
Bromodichloromethane	(ug/L)	--		10	ND	--		3.3	ND	--	
Bromoform	(ug/L)	--		10	ND	--		3.3	ND	--	
Bromomethane	(ug/L)	--		20	ND	--		6.7	ND	--	
Carbon disulfide	(ug/L)	--		10	ND	--		3.3	ND	--	
Carbon tetrachloride	(ug/L)	--		(10)	ND	--		3.3	ND	--	
Chlorobenzene	(ug/L)	--		10	ND	--		3.3	ND	--	
Chloroethane	(ug/L)	--		20	ND	--		6.7	ND	--	
Chloroform	(ug/L)	--		10	ND	--		3.3	ND	--	
Chloromethane	(ug/L)	--		20	ND	--		6.7	ND	--	
Dibromochloromethane	(ug/L)	--		10	ND	--		3.3	ND	--	
Ethylbenzene	(ug/L)	--		10	ND	--		3.3	ND	--	
Methyl tert-butyl ether	(ug/L)	--		50	ND	--		17	ND	--	
Methylene chloride	(ug/L)	--		4.0	J	--		3.3	ND	--	
Styrene	(ug/L)	--		10	ND	--		3.3	ND	--	
Tetrachloroethene	(ug/L)	--		(10)	ND	--		3.3	ND	--	
Toluene	(ug/L)	--		10	ND	--		3.3	ND	--	
Trichloroethene	(ug/L)	--		(20)	ND	--		(6.7)	ND	--	
Vinyl chloride	(ug/L)	--		(10)	ND	--		(3.3)	ND	--	
Xylenes (total)	(ug/L)	--		10	ND	--		3.3	ND	--	
cis-1,2-Dichloroethene	(ug/L)	--		5.0	ND	--		1.7	ND	--	
cis-1,3-Dichloropropene	(ug/L)	--		10	ND	--		3.3	ND	--	
trans-1,2-Dichloroethene	(ug/L)	--		5.0	ND	--		1.7	ND	--	
trans-1,3-Dichloropropene	(ug/L)	--		10	ND	--		3.3	ND	--	

Wright-Patterson AFB
October 2000 - OU2 Data - GROUND WATER
The IT Group, Project 777097

Sample Number		NEA-MW28-5S-5000		NEA-MW28-5S-5000 R2		BMP-120800-TB01		TB101700	
Sample Date		12/08/00		12/08/00		12/08/00		10/17/00	
E353.2									
Nitrate-Nitrite	(mg/L)	0.1	ND	--		--		--	
M2720C									
Ethane	(ug/L)	0.29	J	50	ND	--		--	
Ethene	(ug/L)	0.50	ND	50	ND	--		--	
Methane	(ug/L)	860	E,B	5500	D,B	--		--	
SULFATE/NI									
Sulfate	(mg/L)	1.0	ND	--		--		--	
VOC									
1,1,1-Trichloroethane	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
2-Butanone	(ug/L)	20	ND	--		10	ND	10	ND
2-Hexanone	(ug/L)	20	ND	--		10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	20	ND	--		10	ND	10	ND
Acetone	(ug/L)	35	B	--		1.1	J,B	1.0	J,B
Benzene	(ug/L)	0.28	J	--		1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
Bromoform	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
Bromomethane	(ug/L)	4.0	ND	--		2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	0.35	J	--		1.0	ND	1.0	ND
Chloroethane	(ug/L)	4.0	ND	--		2.0	ND	2.0	ND
Chloroform	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
Chloromethane	(ug/L)	4.0	ND	--		2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	10	ND	--		5.0	ND	5.0	ND
Methylene chloride	(ug/L)	2.0	ND	--		0.25	J	0.96	J
Styrene	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
Tetrachloroethene	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
Toluene	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
Trichloroethene	(ug/L)	4.0	ND	--		2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	(2.0)	ND	--		1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	1.0	ND	--		0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	1.0	ND	--		0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	2.0	ND	--		1.0	ND	1.0	ND

-- = Not Applicable, ND = Not Detected, ()=Result Exceeds MCL Value, [ ]=Result Exceeds Background Value

Analytical Legend

AMB – Ambient
B (or MBB, MBD) - Method blank contamination present
D - Diluted sample analytical results
DUP - Duplicate
EW – Extraction Well
E - Estimated result. Concentration exceeds the calibration range
I - Quantification suspect due to matrix interference
IW – Insufficient Water
J – Estimated Result. Result less than Reporting Limit
LCS – Laboratory Control Sample
LF – Landfill
LW – Line Water
mg/L – milligrams/Liter
µg/L – micrograms/Liter
MW – Monitoring Well
N – Spiked analyte recovery is outside stated control limits
NA - Not Applicable
ND – Not Detected
NR – Not Reported
pg/L – picograms/Liter
Q - Estimated maximum possible concentration
RB – Rinsate Blank
R2 – Indicates second re-extraction analysis run was required due to surrogate recoveries outside of acceptance criteria on the initial sample run or that analytical results presented are for a diluted sample due to high target analytes.
T or TB – Trip Blank

-- – Not Analyzed
= – Confirmed detection
( ) – Result exceeds MCL value
[ ] – Result exceeds background value

Samples Collected:	11/3/00	Collected by:	Pascale Maslin	Client:	I.T. Corporation
Samples Received:	11/6/00	Received by:	Free Peay	Client Address:	11499 Chester Road
Samples Analyzed:	11/13/00	Analyzed by:	Free Peay		Cincinnati, OH 45246
Samples Reported:	11/13/00	Reported by:	Free Peay		
Project Identification:	WPAFB - OU2	Report Revision:	1.1	Client Contact:	Greg Plamondon
Columbia Job Code:	ITC11030	Method Deviations:	none	Client Phone:	(513) 782-4823
Purchase Order:	N/A	Sampling Method:	unknown	Client Fax:	(513) 782-4749

USEPA Method 8020M Soil Vapor Sample Analysis Results in ug/L

Compound	PQL[2] (ug/L)	OU2-SV-01 (ug/L)	OU2-SV-01D (ug/L)	OU2-SV-02 (ug/L)	OU2-SV-03 (ug/L)	OU2-SV-03D (ug/L)	OU2-SV-04 (ug/L)	OU2-SV-06 (ug/L)	OU2-SV-07 (ug/L)
Benzene	2.00	ND	ND	ND	610	575	49.6	1630	7.2
Toluene	2.00	ND	ND	ND	433	361	78.7	708	111
Ethylbenzene	2.00	ND	ND	ND	47.0	19.6	4.40	26.4	7.9
m+p Xylenes	4.00	ND	ND	ND	65.9	26.5	9.50	35.1	17
o Xylenes	2.00	ND	ND	ND	29.8	10.4	4.20	13	11.4
Total BTEX	12	ND	ND	ND	1156	993	146	2410	155
Total Volatile Hydrocarbons	700	ND	ND	ND	50880	49380	2990	1233440	3530
Sample Condition (S,U)/Dilution (PQL)	1	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
ND: Not Detected at or above the PQL.

[2] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

SAMPLE NARRATIVE:

Quality Control Review: _____

Samples Collected:	11/3/00	Collected by:	Pascale Maslin	Client:	I.T. Corporation
Samples Received:	11/6/00	Received by:	Free Peay	Client Address:	11499 Chester Road
Samples Analyzed:	11/13/00	Analyzed by:	Free Peay		Cincinnati, OH 45246
Samples Reported:	11/13/00	Reported by:	Free Peay		
Project Identification:	WPAFB - OU2	Report Revision:	1.1	Client Contact:	Greg Plamondon
Columbia Job Code:	ITC11030	Method Deviations:	none	Client Phone:	(513) 782-4823
Purchase Order:	N/A	Sampling Method:	unknown	Client Fax:	(513) 782-4749

USEPA Method 8020M Soil Vapor Sample Analysis Results in ug/L

Compound	PQL[2] (ug/L)	OU2-SV-8 (ug/L)	OU2-SV-9 (ug/L)	OU2-SV-10 (ug/L)	OU2-SV-11 (ug/L)	OU2-SV-12 (ug/L)	OU2-SV-13 (ug/L)	OU2-SV-14 (ug/L)	OU2-SV-15 (ug/L)	EB-1 (ug/L)	EB-2 (ug/L)	EB-3 (ug/L)
Benzene	2.00	14.3	ND	263	ND	ND	ND	340	ND	ND	ND	ND
Toluene	2.00	17.0	ND	308	ND	ND	ND	1680	ND	ND	ND	ND
Ethylbenzene	2.00	18.4	ND	25.0	ND	ND	ND	120	ND	ND	ND	ND
m+p Xylenes	4.00	37.9	4.1	33.0	ND	ND	ND	146	ND	ND	ND	ND
o Xylenes	2.00	18.2	ND	12.2	ND	ND	ND	59.4	ND	ND	ND	ND
Total BTEX	12	106	ND	641	ND	ND	ND	2350	ND	ND	ND	ND
Total Volatile Hydrocarbons	700	23510	ND	29650	ND	ND	ND	30600	ND	ND	ND	ND
Sample Condition (S,U)/Dilution (PQL)	1	S	S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
ND: Not Detected at or above the PQL.

[2] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

SAMPLE NARRATIVE:

Quality Control Review:

Fixed Laboratory Services — *Columbia Technologies, LLC* — *Mobile Laboratory Services*

Samples Collected:	11/3/00	Collected by:	Pascale Maslin	Client:	IT Corporation
Samples Received:	11/6/00	Received by:	Free Peay	Client Address:	11499 Chester Road
Samples Analyzed:	11/7/00	Analyzed by:	Scott Najaka		Cincinnati, Ohio 45246
Samples Reported:	11/7/00	Reported by:	Free Peay		
Project Identification:	WPAFB - OU2	Report Revision:	1.0	Client Contact:	Greg Plamondan
Columbia Job Code:	ITC11030	Method Deviations:	none	Client Phone:	(513)782-4700
Purchase Order:	N/A	Sampling Method:	CPT	Client Fax:	(513)782-4749

SoilGas Samples Analysis Results in (%)

Compound	PQL[1] (%)	11/7/00 OU2-SV01 (%)		11/7/00 OU2-SV01DUP (%)		11/7/00 OU2-SV02 (%)		11/7/00 OU2-SV03 (%)		11/7/00 OU2-SV03DUP (%)		11/7/00 OU2-SV04 (%)		11/7/00 OU2-SV06 (%)	
CO2	0.5	1.3	S	1.3	S	1.7	S	9.3	S	9.2	S	5.3	S	1.0	S
O2	0.5	18.1	S	18.0	S	18.3	S	4.4	S	4.7	S	10.2	S	4.7	S
CH4	0.4	0.4	U	0.4	U	0.4	U	5.2	S	5.2	S	0.5	S	29.4	E
Dilution Factor:		1.0		1.0		1.0		1.0		1.0		1.0		1.0	

Compound	PQL[1] (%)	11/7/00 OU2-SV06 (%)		11/7/00 OU2-SV07 (%)		11/7/00 OU2-SV08 (%)		11/7/00 OU2-SV08R (%)		11/7/00 OU2-SV09 (%)		11/7/00 OU2-SV10 (%)		11/7/00 OU2-SV11 (%)	
CO2	0.5	1.0	D	6.4	S	0.5	S	0.5	S	1.4	S	12.1	S	7.4	S
O2	0.5	5.3	D	4.5	S	17.6	S	17.3	S	18.3	S	3.5	S	7.8	S
CH4	0.4	27.2	D	2.6	S	2.6	S	2.5	S	0.4	U	3.1	S	0.4	U
Dilution Factor:		2.0		1.0		1.0		1.0		1.0		1.0		1.0	

U: Non-detect result J: Estimated value - less than PQL D: Dilute result E: Estimated value - greater than upper limit of calibration curve

1 PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

SAMPLE NARRATIVE:

Quality Control Analyst: _____

This report will not be reproduced without the expressed written permission of the client

Fixed Laboratory Services — *Columbia Technologies, LLC* — *Mobile Laboratory Services*

Samples Collected:	11/3/00	Collected by:	Pascale Maslin	Client:	IT Corporation
Samples Received:	11/6/00	Received by:	Free Peay	Client Address:	11499 Chester Road
Samples Analyzed:	11/7/00	Analyzed by:	Scott Najaka		Cincinnati, Ohio 45246
Samples Reported:	11/7/00	Reported by:	Free Peay		
Project Identification:	WPAFB - OU2	Report Revision:	1.0	Client Contact:	Greg Plamondan
Columbia Job Code:	ITC11030	Method Deviations:	none	Client Phone:	(513)782-4700
Purchase Order:	N/A	Sampling Method:	CPT	Client Fax:	(513)782-4749

SoilGas Samples Analysis Results in (%)

Compound	PQL[1] (%)	11/7/00 OU2-SV12 (%)		11/7/00 OU2-SV13 (%)		11/7/00 OU2-SV14 (%)		11/7/00 OU2-SV15 (%)		11/7/00 OU2-SV15-R (%)		11/7/00 QC-1 (%)		11/7/00 QC-2 (%)	
CO2	0.5	6.7	S	1.7	S	7.6	S	1.2	S	1.1	S	0.5	U	0.5	U
O2	0.5	10.1	S	17.9	S	6.8	S	19.1	S	17.8	S	19.6	S	20.4	S
CH4	0.4	0.4	U	0.4	U	2.5	S	0.4	U	0.4	U	0.4	U	0.4	U
Dilution Factor:		1.0		1.0		1.0		1.0		1.0		1.0		1.0	

Compound	PQL[1] (%)	11/7/00 QC-3 (%)	
CO2	0.5	0.5	U
O2	0.5	20.4	S
CH4	0.4	0.4	U
Dilution Factor:		1.0	

Dilution Factor:	1.0	1.0	1.0	1.0	1.0	1.0	1.0

U: Non-detect result — J: Estimated value - less than PQL — D: Dilute result — E: Estimated value - greater than upper limit of calibration curve

1 PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

SAMPLE NARRATIVE:

Quality Control Analyst: _____

This report will not be reproduced without the expressed written permission of the client

Appendix H

Basewide LTM Sample Collection Forms

Bill of Lading from Perma-Fix - October

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: BSS

Well #: LTM-BSS-P-1

Sample Number: LTM-BSS-P-1-1000

Purging Method/Equipment: Bladder

Samplers C. Patterson/M. Woodruff

Well Secure (Y/N) Y

Well Casing Diameter : _____ in.

Unit Casing Volume (UC): _____ gal.

Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____

Static Water Level (Depth to Water): _____

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-20-00	1018	Begin Purging			- NO	water					

DRY WELL

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)

BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: _____ **Sample Collection Time:** _____

Prepared by: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: BS5 Well #: LTM-BS5-P-2 Sample Number: LTM-BS5-P-2-1000

Purging Method/Equipment: Bladder Samplers C. Patterson / M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): BTP - pump at 35.38

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-20-00 MW	0937	Start purging									
	0940	0.3	BTP	0.5	12.5	6.59	0.442	28	221.7	7.48	cloudy
	0945	0.3		1.5	12.5	6.66	0.435	30	224.7	7.22	
	0950	0.3		2.3	12.6	6.69	0.431	26	222.2	7.50	
	0955	0.3		3.0	12.7	6.70	0.431	24	221.9	7.24	
	1000	0.3		3.6	12.7	6.72	0.431	9	221.2	7.20	
	1002	SAMPLE									
	1007	0.3		POST	12.7	6.72	0.436	9	218.3	7.60	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-20-00 **Sample Collection Time:** 1002

Prepared by: CP/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: BS5 Well #: LTM-BS5-P-3 Sample Number: LTM-BS5-P-3-1000

Purging Method/Equipment: Bladder Samplers: C. Patterson/M. Woodruff Well Secure (Y/N): Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): _____

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-20-00	1037	Start Purging									
	1042	0.01	BTP	0.1	14.2	6.99	0.516	64	200.9	7.42	
✱	1045	Samples collected									

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: 500 **MS/MSD:** _____ / _____

Sample Collection Date: 10-20-00 **Sample Collection Time:** 1045

Prepared by: CP/MW

✱ We were losing flow & pumping the well dry so - we decided to sample ASAP in order to obtain any samples

N:\COMMON3\PLAMONDO\LTM\FORMS\GWPRGLOG

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: BS5 Well #: LTM-BS5-P-4 Sample Number: LTM-BS5-P-4-1000

Purging Method/Equipment: Bladder Samplers C. Patterson/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 40.21

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/20/00	1112	Start Purging									
	1117	0.3	40.21	0.7	15.9	6.74	0.556	10	201.1	7.06	
	1122	0.3	40.18	1.6	16.0	6.76	0.540	11	197.3	7.07	
	1128	|	40.18	2.5	16.0	6.80	0.533	7	184.8	7.41	
	1134	|	40.18	3.7	16.0	6.81	0.543	4	172.3	7.32	
	1139	|	40.18	4.6	16.0	6.84	0.552	6	158.4	7.42	
	1142	SAMPLED									
	1155		40.18	POST	16.1	6.81	0.566	6	161.2	7.18	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 10-20-00 **Sample Collection Time:** 1142

Prepared by: CP/MW

INTERNATIONAL TECHNOLOGY CORPORATION

ID #103
CPM 4

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 002 Well #: NEA-MW27-3I Sample Number: LTM-NEA-MW27-3I-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 19.45

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/18	0943		19.45	Initial	14.2	7.02	0.850	9	113.3	7.35	
	0945		19.65	0.5	14.2	6.91	0.954	7	143.9	3.06	
	0950		19.65	1.0	14.2	6.88	0.990	1	159.4	2.94	
	0955		19.65	1.5	14.2	7.24	0.852	1	165.2	4.13	
	1200		19.65	2.0	14.2	7.27	0.857	2	166.8	4.40	
	1205		19.65	2.5	14.2	7.28	0.859	3	164.5	4.90	
	1210		Collect Sample								
	1212		19.65	Post	14.3	7.30	0.869	3	170.8	5.65	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/18/00 **Sample Collection Time:** 1210

Prepared by: K Mercurio

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU2 Well #: NEA-MW34-2S Sample Number: LTM-NEA-MW34-2S-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 10.46

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/19	1440		10.46	0.5	14.7	7.48	0.832	49	142.5	5.26	
	1445		10.46	2.5	14.8	7.36	0.805	4	131.1	5.92	
	1450		10.46	3.0	15.0	7.36	0.804	5	129.9	5.50	
	1455		10.46	3.5	15.1	7.33	0.805	3	129.7	5.34	
	1500		10.46	4.0	15.2	7.37	0.805	5	130.0	5.38	
	1505		Collect	Sample							
	1507		10.46	Post	15.2	7.38	0.804	0	128.2	5.55	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/19/00 **Sample Collection Time:** 1505

Prepared by: K. Mercurio

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: FTA 2 Well #: FTA2:MW02C Sample Number: LTM-FTA2:MW02C-1020

Purging Method/Equipment: grundfos Samplers DW/KM Well Secure (Y/N) _____

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 14.25

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/20	1110		14.25	Initial	15.1	6.95	0.95	0	-10.1	0.65	
	1115		14.25	1.0	16.3	6.94	0.870	0	-15.1	0.11	
	1120		14.25	2.0	16.9	6.94	0.860	0	13.8	0.07	
	1125		14.25	3.0	17.1	6.94	0.857	0	31.3	0.02	
	1130		14.25	4.0	17.2	6.94	0.857	0	29.2	0.02	
	1135		14.25	5.0	17.0	6.96	0.857	0	-16.0	0.06	
	1140		Collect Sample								
	1145		14.25	Post	16.8	6.96	0.816	0	0.1	2.57	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/20/00 **Sample Collection Time:** 1140

Prepared by: K. Merculio

INTERNATIONAL TECHNOLOGY CORPORATION

ID# 105
CPM 4

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU3 Well #: LF12-MW15A Sample Number: LTM-LF12-MW15A-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 7.60

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/18	1235		7.60	Initial	13.9	7.33	0.848	0	176.5	4.31	
	1240		7.60	1.0	14.3	7.23	0.862	0	177.7	1.05	
	1245		7.60	2.0	14.3	7.22	0.862	0	177.5	0.86	
	1250		7.60	3.0	14.3	7.22	0.861	0	179.1	0.14	
	1255		7.60	4.0	14.4	7.22	0.862	0	179.9	0.14	
	1300		SAMPLED								
	1305		7.60	Post	14.5	7.25	0.868	0	178.1	1.66	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/18/00 **Sample Collection Time:** 1300

Prepared by: K. Mercuno

INTERNATIONAL TECHNOLOGY CORPORATION

ID # 102
CPM 4

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: LF11 Well #: 07-520-M Sample Number: LTM-07-520-M-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: (2) 4 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 9.40

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/18	1513		9.40	initial	14.9	7.00	1.15	4	-12.2	3.22	Sulfer
	1515		9.40	0.5	14.7	6.79	1.12	2	-41.3	0.62	
	1520		9.40	1.5	14.8	6.78	1.12	0	-86.9	0.21	
	1525		9.40	2.0	14.8	6.79	1.12	1	-108.7	0.21	
	1530		9.40	2.5	14.8	6.81	1.12	0	-116.5	0.20	
	1535		Collect Sample								
	1540		9.40	Post	14.8	6.82	1.12	0	-120.4	0.62	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/18/00 **Sample Collection Time:** 1535

Prepared by: K. Mercuro

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 043 Well #: LTM-05-DM-123S Sample Number: LTM-05-DM-123S-10020

Purging Method/Equipment: Bladder Samplers J. Ocho / M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter : _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 7.83

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
0912	Started purging										sulfur smell
10 23 00	0915	~~0.8~~ 0.3	7.82	0.8	14.0	6.34	0.485	150	-1.3	3.55	
	0920	0.2	7.81	1.0	13.9	6.39	0.485	0	10.8	0.95	
	0925	0.2	7.81	1.3	14.0	6.43	0.486	1	28.9	0.84	
	0930	0.2	7.76	1.7	14.1	6.45	0.486	1	39.7	0.28	
	0935	0.1	7.76	2.0	14.1	6.48	0.486	2	49.1	0.50	
	0940	0.1	7.78	2.3	14.2	6.51	0.485	2	54.9	0.51	
	0945	0.1	7.81	2.6	14.2	6.54	0.486	1	60.1	0.72	
	0948	SAMPLE									
	0955	0.1	7.78	POST	14.3	6.61	0.486	2	82.9	1.30	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: _____ MS/MSD: _____ / _____

Sample Collection Date: 10-23-00 **Sample Collection Time:** 0948

Prepared by: MW / SO

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: N3

Well #: LTM-05-DM-123I-~~1000~~ MW

Sample Number: LTM-05-DM-123I-1000

Purging Method/Equipment: Bladder

Samplers J. Ocho / M. Woodruff

Well Secure (Y/N) Y

Well Casing Diameter : _____ in.

Unit Casing Volume (UC): _____ gal.

Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____

Static Water Level (Depth to Water): 7.70

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-23-00	1010	Start	purging								many black specs
	1015	0.1	7.70	0.3	13.9	6.77	0.472	19	-103.3	0.45	
	1020	0.1	7.70	0.6	13.9	6.76	0.472	21	-82.7	0.31	
	1025	0.1	7.70	1.9	13.9	6.75	0.472	19	-74.0	0.21	
	1030	0.1	7.70	1.2	14.0	6.75	0.471	0	-64.8	~~0.8~~ MW 0.41	
	1035	0.1	7.68	1.6	13.7	6.75	0.470	2	-52.6	0.31	
	1040	0.2	7.69	2.3	13.7	6.74	0.471	0	-39.6	0.19	
	1045	0.2	7.70	2.9	13.7	6.73	0.471	0	-33.7	0.28	
	10.50	0.2	7.70	3.5	13.7	6.73	0.471	0	-29.5	0.24	
	1052	SAMPLE			13.7 MW						
	1055	0.2	7.70	POST	13.7	6.74	0.476	3	-11.3	1.01	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-23-00 **Sample Collection Time:** 1052

Prepared by: JO/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 013

Well #: LTM-05-DM-123-D

Sample Number: LTM-05-DM-123D-1000

Purging Method/Equipment: Bladder

Samplers: J.Ocho/M.Woodruff

Well Secure (Y/N): Y

Well Casing Diameter: _____ in.

Unit Casing Volume (UC): _____ gal.

Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____

Static Water Level (Depth to Water): 6.93

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
1105	start	purgy									
10-23-00	1115	0.2	7.72	0.5	13.6	6.83	0.472	0	-135.1	0.44	
	1120	0.2	7.88	1.1	13.5	6.83	0.473	0	-128.1	0.24	
	1125	0.2	7.95	1.6	13.6	6.83	0.473	0	-124.3	0.35	
	1130	0.2	7.90	2.1	13.6	6.83	0.473	0	-120.2	0.25	
	1135	0.2	7.89	2.5	13.6	6.83	0.473	0	-115.7	0.26	
	1140	0.2	7.89	3.0	13.6	6.83	0.473	0	-112.7	0.24	
	1142	SAMPLE									
	1147	0.2	7.85	POST	13.9	6.86	0.472	0	-100.8	1.18	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-23-00 **Sample Collection Time:** 1142

Prepared by: JO/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU4 Well #: OU4-01B-60-1000 Sample Number: LTM-OU4-01B-60-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 8.12

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/16	1509	Begin Purging									
	1511		8.13	initial	18.8°	7.08	1.06	0	284.7	1.85	Clear
	1516		8.13	1.0	15.5	6.94	1.38	0	138.2	0.16	
	1521		8.13	2.0	15.2	6.98	1.45	0	121.1	0.08	
	1526		8.13	3.0	15.1	6.96	1.46	0	113.1	0.06	
	1531		8.13	3.75	15.0	7.00	1.47	0	99.3	0.04	
	1536		8.13	4.5	15.1	6.99	1.47	0	90.6	0.04	
	1541		Collect Sample								
	1543		8.13	Post	15.4	7.05	1.47	0	94.8	1.21	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/16/00 **Sample Collection Time:** 1541

Prepared by: K. Mercuno

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 014 Well #: LTM-014-01C-84 Sample Number: LTM-014-01C-84-1000

Purging Method/Equipment: Bladder Samplers C. Patterson, M. Wordhoff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 7.89

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-16-00	1515	started purging									
	1530	0.01	7.89	0.2	17.0	7.21	1.06	10	84.3	0.64	clear
	1535	0.20	7.90	1.0	15.0	7.02	1.04	10	-72.9	0.33	
	1540	0.20	7.90	1.75	14.7	6.95	1.03	10	-115.6	0.13	
	1545	0.20	7.90	2.5	14.6	6.97	1.03	10	-142.9	0.30	
	1550	0.20	7.90	3.5	14.5	6.97	1.03	10	-156.9	0.11	
	1555	SAMPLED			HACW					~~5.72~~	MW
	1557		7.90	5.0	14.8	6.99	1.03	10	-122	5.72	

Test Parameters: Tmetals (HNO_3) Fmetals (VOC (HCl)) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): (None) **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-16-00 **Sample Collection Time:** 1555

Prepared by: MW/CP

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU4 Well #: OU4-MW-02A Sample Number: LTM-OU4-MW-02A-1000

Purging Method/Equipment: BLADDER PUMP Samplers CP/NV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 12.88

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/23/00	1010	0.3	12.88	0	14.8	7.18	1.10	7	86.3	1.56	CLEAR
	1015	0.3	12.92	0.7	14.8	7.14	1.12	6	89.9	0.48	CLEAR
	1021	0.3	12.91	1.1	14.9	7.15	1.13	5	98.6	0.24	
	1027	0.3	12.93	1.9	14.8	7.15	1.15	2	103.8	0.17	
	1030	0.3	12.88	2.2	14.8	7.14	1.15	3	105.5	0.14	
	1035	0.3	12.88	3.0	14.9	7.15	1.15	2	109.0	0.26	
	1040	0.3	12.88	3.5	14.9	7.16	1.16	2	110.1	0.31	
	1045	0.3	12.88	4.0	14.9	7.16	1.16	1	110.3	0.52	
	1048	COLLECT SAMPLE									
	1051	0.3	12.89	POST	15.1	7.16	1.16	1	104.4	2.05	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/23/00 **Sample Collection Time:** 1048

Prepared by: CP

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU4 Well #: OU4-MW-02B Sample Number: LTM-OU4-MW-02B-1000

Purging Method/Equipment: Bladder Pump Samplers CP/VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 12.58

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/23/00	1102	0.3	12.58	0.0	14.2	7.36	01.06	1	179.4	1.13	
	1107	COMPRESSOR OUT OF GAS, SHUT DOWN									
	1109	BEGIN PUMPING									
	1110	0.3	12.61	1.8	13.8	7.29	1.02	0	145.4	0.27	
	1115	0.3	12.58	2.4	13.9	7.23	1.24	0	140.6	0.16	
	1120	0.3	12.58	3.0	14.1	7.23	1.27	0	130.2	0.17	
	1125	0.3	12.58	3.3	14.3	7.22	1.29	0	134.9	0.19	
	1130	COLLECT SAMPLE									
	1132	0.3	12.58	POST	15.2	7.30	1.34	0	156.3	2.33	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/23/00 **Sample Collection Time:** 1130

Prepared by: CP

INTERNATIONAL TECHNOLOGY CORPORATION

ID# 107
CPM 4

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU4 Well #: OU4-MW-03B Sample Number: LTM-OU4-MW-03B-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 13.56

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/18	1423		13.56	initial	13.3	7.57	1.03	0	110.6	4.74	sulfer odor
	1425		13.56	~~0.5~~ 1.0	13.7	7.36	1.10	0	-10.9	1.07	
	1430		13.56	2.0	13.6	7.34	1.10	0	-33.8	0.61	
	1435		13.56	3.0	13.6	7.31	1.11	0	-53.4	0.25	
	1440		13.56	4.0	13.7	7.27	1.80	0	-62.7	0.16	
	1445		Collect Sample								
	1450		13.56	Post	13.7	7.19	1.85	0	-10.2	0.96	

Test Parameters: Tmetals (HNO_3) Fmetals (VOC (HCl)) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/18/00 **Sample Collection Time:** 1445

Prepared by: K. Mercuno

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU4 Well #: OU4-MW-03C Sample Number: LTM-OU4-MW-03C-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 13.42

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/19	1540		13.42	Initial	16.3	7.36	1.14	0	114.4	1.92	
	1545		13.42	1.0	14.3	7.15	1.45	0	118.2	1.42	
	1550		13.42	2.0	14.1	7.15	1.65	0	114.1	0.42	
	1555		13.42	2.5	14.1	7.17	1.64	0	108.0	0.46	
	1600		13.42	3.5	14.1	7.17	1.63	0	104.1	0.33	
	1605		Collect	Sample		7 (KM)					
	1607		13.42	Post	14.2	7.17	1.62	0	101.1	0.82	

Test Parameters: Tmetals (HNO_3) Fmetals (VOC) (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/19/00 **Sample Collection Time:** 1605

Prepared by: K Mercuno

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU4 Well #: OU4-MW-04A Sample Number: LTM-OU4-MW04A-1000 -1000MS -1000MSD

Purging Method/Equipment: Bladder Pump Samplers CP/VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 14.0

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/23/00	1317	0.3	14.00	0	15.4	6.78	1.26	0	56.4	2.36	
	1322	0.3	14.04	1.0	15.2	6.74	1.28	0	58.0	1.53	
	1327	0.3	14.04	1.7	15.2	6.72	1.27	0	62.2	1.19	
	1332	0.3	14.04	2.3	15.2	6.72	1.27	0	64.6	1.11	
	1337	0.3	14.03	3.0	15.3	6.73	1.27	0	65.0	0.87	
	1342	0.3	14.04	3.5	15.5	6.76	1.27	0	65.1	0.77	
	1345	COLLECT SAMPLES									
	1355	0.3	14.04	POST	15.9	6.82	1.28	1	59.6	2.03	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/23/00 **Sample Collection Time:** 1345

Prepared by: CP

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 044 Well #: 044-MW-12B Sample Number: LTM-044-MW-12B-1000

Purging Method/Equipment: BLADDER PUMP Samplers CP/NV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 12.78'

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/23/00	0912	0.3	12.78	0.0	13.8	6.69	9.66	0	8.7	5.03	CLEAR
	0917	0.3	12.78	1.0	13.7	7.11	1.02	0	20.3	0.82	CLEAR
	0922	0.3	12.78	1.3	13.9	7.18	1.06	0	38.2	0.73	
	0927	0.3	12.78	1.8	14.0	7.23	1.06	0	48.3	0.65	
	0932	0.3	12.78	2.1	14.0	7.25	1.09	0	60.6	0.54	
	0937	0.3	12.78	2.5	14.0	7.26	1.12	0	74.8	0.51	
	0942	0.3	12.78	3.0	14.0	7.28	1.13	0	80.0	0.54	
	0945	COLLECT SAMPLE									
	0951	0.3	12.78	POST	14.4	7.34	1.13	0	86.6	3.66	

Test Parameters: Tmetals (HNO_3) Fmetals (VOC (HCl)) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): (None) **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/23/00 **Sample Collection Time:** 0945

Prepared by: CP

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 045 **Well #:** CW4-60 **Sample Number :** ITM-CW04-060-1000

Purging Method/Equipment: Bladder **Samplers** DW/JO **Well Secure (Y/N)** Y

Well Casing Diameter : 2 in. **Unit Casing Volume (UC):** N/A gal. **Target Purge Volume:** 2 Micro gal

Sounding (Depth to Well Bottom): N/A **Static Water Level** (Depth to Water): 20.87

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
11/2/00	1000	Initial	20.85	Initial	17.1	7.67	1.0	0	-50.0	3.04	
	1005	.05	20.85	.25	15.5	7.49	1.04	0	-82.6	0.44	
	1010	.05	20.85	.50	15.2	7.51	1.05	0	-92.5	0.18	
	1015	.1 ~~.05~~ DW	20.85	~~1.0~~ ~~.75~~ 1.0 DW	15.0	7.48	1.05	0	-96.0	0.13	
	1020	.1 ~~.05~~ DW	20.85	1.75 ~~1.0~~ DW	15.0	7.50	1.05	0	-98.8	0.10	
	1025	.1	20.85	2.25	14.9	7.49	1.05	0	-100.5	0.08	
	1030	SAMPLED									
	1040	POST	20.85	3.0	14.9	7.50	1.05	0	-98.9	0.26	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** OEPA **MS/MSD:** /

Sample Collection Date: 11/2/00 **Sample Collection Time:** 1030

Prepared by: D. Warner

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU5 Well #: LTM-CW05-055 Sample Number: LTM-CW05-055-1000

Purging Method/Equipment: Bladder pump Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 22.48

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-31	0857			initial							
	0902			initial	10.6	7.21	0.94	88	230.4	2.30	
	0907			0.2	11.4	7.10	0.94	81		0.71	
	0912			0.3	12.1	7.02	0.95	103	-17.1	0.49	
	0917			0.5	12.5	7.00	0.96	86	-44.1	0.52	
	0922			1.0	12.6	7.00	0.96	65	-56.8	1.59	
	0927			1.3	12.8	7.00	0.96	41	-62.2	0.99	
	0932			1.5	13.0	7.01	0.95	35	-61.9	0.98	
	0937			1.7	13.0	7.01	0.96	28	-62.8	0.97	
	0942			1.9	13.3	7.02	0.96	22	-64.3	1.09	
	0947			2.0	13.3	7.01	0.96	17	-65.6	1.05	
	0952			2.1	13.5	7.01	0.96	13	-66.1	1.13	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/31/00 **Sample Collection Time:** 1000

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: Well #: LTM-CW05-055 Sample Number: LTM-CW05-055-1000

Purging Method/Equipment: Bladder pump Samplers CP, VV Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 22.48

Date ↔	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
0957	10/31			2.2	13.6	7.02	0.96	12	-65.3	1.15	
1000	samples collected										
10/31/00	1005				13.6	7.07	0.97	18	-73.0	4.65	steam coming from well

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/31/00 **Sample Collection Time:** 1000

Prepared by: VV

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 015 Well #: LTM-CW05-085 Sample Number: LTM-CW05-085-1000

Purging Method/Equipment: Bladder Samplers C. Patterson / M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 24.04

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
1158	Start	purging									
11/02/00	1205	0.2	23.15	0.3	12.9	6.90	0.694	3	-73.2	0.79	
	1210	0.2	23.15	1.0	12.6	6.87	0.697	4	-43.0	0.38	
	1215	0.2	23.15	1.5	12.6	6.84	0.698	5	-27.9	0.30	
	1220	0.2	23.15	2.0	12.5	6.87	0.698	5	-20.1	0.27	
	1225	0.2	23.19	2.5	12.4	6.86	0.698	5	-37.8	0.24	
	1230	0.2	23.18	3.1	12.4	6.86	0.698	5	-41.0	0.22	
	1233	SAMPLE	~~23.22~~	~~POST~~	~~13.2~~	~~6.93~~	~~.699~~	~~5~~	~~-35.4~~	~~7.52~~	
	1238		23.22	POST	13.2	6.93	0.699	5	-35.4	7.52	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: DEPA MS/MSD: /

Sample Collection Date: 11/2/00 **Sample Collection Time:** 1233

Prepared by: CP/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 0215 Well #: LTM- HD11 - ~~1000~~ Sample Number: LTM- HD11- 1000

Purging Method/Equipment: Bladder Samplers C. Patterson / M. Worcuff Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 21.76

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
11/2/00	1015	start	purging								
	1025	~~21.78~~ 0.2	21.78	0.4	12.6	6.87	0.635	8	-107.2	0.~~X~~28	clear
	1030	0.2	21.77	1.0	12.6	6.86	0.636	5	-114.8	0.25	
	1035	0.2	21.75	1.3	12.6	6.86	0.638	4	-117.6	0.22	
	1040	0.2	21.60	1.8	12.6	6.87	0.638	3	-120.1	0.19	
	1045	0.2	21.60	2.2	12.6	6.86	0.638	6	-122.1	0.17	
	1050	0.2	21.60	2.7	12.7	6.87	0.637	0	-123.4	0.19	
	1055	0.2	21.62	3.2	12.7	6.87	0.637	2	-123.3	0.19	
	1058	SAMPLE									
	1110	0.2	21.61	POST	13.1	6.89	0.635	0	-146.6	0.72	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: DEPA & City of Dayton MS/MSD: /

Sample Collection Date: 11/2/00 **Sample Collection Time:** 1058

Prepared by: CP/MWJ

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 045 Well #: HD-12S Sample Number: LTM-HD-12S-100

Purging Method/Equipment: Bladder Samplers GP/JO Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): 26 **Static Water Level** (Depth to Water): Below Pump

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
11-1-00	10:21	0.2	Below Pump	1.0	12.1	6.77	0.99	0	-29.6	0.25	Clear
"	10:27	0.2	"	1.5	12.1	6.77	0.99	0	-32.0	0.33	Clear
"	10:32	0.2	"	2.0	12.1	6.79	0.99	0	-33.0	0.72	Clear
"	10:37	0.2	"	2.5	12.2	6.79	0.99	0	-33.0	0.80	Clear
"	10:42	0.2	"	3.0	12.4	6.80	0.99	0	-35.9	0.70	Clear
"	~~10:45~~	~~Sample~~	JO								
"	~~10:47~~ 10:47 JO	0.2	"	3.25	12.4	6.80	0.99	0	-37.2	1.34	Clear
"	10:52	Sample									
"	1100	0.2	Below Pump	3.50	12.8	6.81	0.99	0	-37.9	1.08	Clear

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None ~~Duplicate~~/Split: City of Dayton MS/MSD: 1

Sample Collection Date: 11-01-00 **Sample Collection Time:** 1052

Prepared by: GP/JO

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OUS Well #: HD-12M Sample Number: LTM-HD-12M-1000

Purging Method/Equipment: Bladder Samplers GP/JD Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): 2 gal. Target Purge Volume: 3.75 gal

Sounding (Depth to Well Bottom): 25 **Static Water Level** (Depth to Water): 22.38

Date	Time (24hr) 0920	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
11-1-00	0920 JD	0.2	22.34	0.5	11.5	6.83	0.96	1.0	-52.1	0.69	Clear
"	09.24	0.2	22.30	1.5	11.7	6.86	0.96	0.0	-58.6	0.38	Clear
"	09.29	0.2	22.30	2.0	11.7	6.87	0.96	0	-67.3	0.32	Clear
"	09.34	0.2	22.31	2.5	11.8	6.84	0.96	0	-67.3	0.26	Clear
"	09.39	0.2	22.31	3.0	11.8	6.88	0.96	0	-72.8	0.22	Clear
"	~~0945~~	~~Sample~~		JD							
"	09.45	0.2	22.31	3.5	11.8	6.88	0.96	0	-72.8	0.22	Clear
"	09.50	Sample									
"	10:01	0.2	22.31	3.75	12.1	6.87	0.97	0	-69.4	1.24	Clear

Test Parameters: Tmetals (HNO_3) Fmetals (VOC (HCl)) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: City of Dayton MS/MSD: /

Sample Collection Date: Nov 01-2000 **Sample Collection Time:** 0950

Prepared by: GP/JD

INTERNATIONAL TECHNOLOGY CORPORATION

MP CPM3
ID # 80

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU5 Well #: HD-135 Sample Number: LTM-HD-135-1002

Purging Method/Equipment: bladder Samplers KM/DW Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 18.36

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. ~~(mV)~~ mS/cm	Turbidity (NTU)	Redox (mV) Rel	DO mg/L	Water Description
11/1	0903		18.28	initial	10.5	6.33	0	15	189.7	11.52	
	0905		18.28	0.2	11.7	7.14	1.07	16	126.3	6.15	
	0910		18.25	0.5	12.1	7.31	0.94	12	-38.1	5.19	
	0915		18.27	0.9	12.3	7.36	0.95	4	-60.5	4.69	
	0920		18.27	1.2	12.3	7.39	0.94	1	-65.3	4.88	
	0925		18.25	1.5	12.3	7.40	0.94	0	-66.5	5.39	
	0930		Collect Sample								
	0935		18.17	Post	12.2	7.45	0.94	0	-61.1	5.19	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Ambient
LTM-HD-135-AMB01
0910

Sample Collection Date: 11/1/00 **Sample Collection Time:** 0930

Prepared by: K. Mercuno

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: 045 Well #: HD-13D Sample Number: LTM-HD-13D-1011

Purging Method/Equipment: bladder Samplers KM/DW Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 19.21

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
11/1/00	0950		19.21	initial	12.3	7.56	1.08	3	-195	3.96	
	0955		19.21	0.3	12.1	7.44	0.96	2	-102.4	1.66	
	1000		19.21	0.7	12.2	7.43	0.95	2	-103.7	1.27	
	1005		19.21	1.1	12.2	7.42	0.95	0	-102.8	1.05	
	1010		19.21	1.4	12.2	7.43	0.95	0	-105.0	0.93	
	1015		Collect Sample								
	1025		19.21	Post	12.3	7.44	0.95	0	-104.4	1.13	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** /

Sample Collection Date: 11/1/00 **Sample Collection Time:** 1015

Prepared by: K. Mercurio

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU5 (MCD) Well #: MW-131M Sample Number: LTM-MW131M-1000 + 5000

Purging Method/Equipment: Bladder Samplers DW/JD Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): N/A gal. Target Purge Volume: Micro gal

Sounding (Depth to Well Bottom): N/A **Static Water Level** (Depth to Water): 16.20

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
11/2/00	0845	BEGIN PURGING									
	0847	Initial	15.77	Initial	12.5	6.85	0.98	10	-28.6	4.69	
	0852	.10	15.77	.5	12.3	7.09	0.99	0	-56.0	1.92	
	0857	.10	15.80	1.0	12.2	7.12	0.99	0	-51.0	0.67	
	0902	.10	15.80	1.5	12.2	7.18	1.00	0	-70.8	0.31	
	0907	.10	15.83	2.0	12.3	7.20	0.99	0	-89.0	0.22	
	0912	SAMPLED									
	0920	.10	15		12.4	7.28	0.99	0	-94.1	0.78	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** City of Dayton / DETA **MS/MSD:** /

Sample Collection Date: 11/2/00 **Sample Collection Time:** 0912

Prepared by: D. Warner

INTERNATIONAL TECHNOLOGY CORPORATION

CPM 3
ID # 82

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU5/MCD Well #: ~~HD-131MS~~ KM KM MW-131S Sample Number: LTM-MW131S-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ Static Water Level (Depth to Water): NT

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
11/1	1050		NT	initial	13.7	7.44	1.06	16	-79.4	2.48	
	1055		NT	0.3	13.3	7.23	0.96	6	-56.8	0.85	
	1100		Pump not operating correcty								
	1105		NT	0.5	13.8	7.19	0.95	2	-46.6	0.91	
	1110		NT	0.8	13.1	7.19	0.93	2	-41.4	0.40	
	1115		NT	1.0	13.5	7.19	0.94	0	-39.1	0.37	
	1120		NT	1.3	13.6	7.18	0.94	0	-38.5	0.38	
	1125		NT	1.5	13.6	7.19	0.94	0	-41.4	0.39	
	1130		Collect Sample								
	1137		NT	Post	13.0	7.20	0.95	0	-44.5	0.34	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH) BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 11/1/00 **Sample Collection Time:** 1130

Prepared by: K. Mercurio

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU5 Well #: LTM-MW132S Sample Number: LTM-MW132S-1000

Purging Method/Equipment: Bladder Samplers C. Patterson / M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 21.09

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
11/2/00	0850	Start	purging								
	0855	0.2	21.11	0.2	11.6	6.55	0.647	15	148.0	0.40	clear
	0900	0.2	21.11	0.8	11.5	6.75	0.628	5	137.8	0.69	
	0905	0.2	21.11	1.2	11.4	6.80	0.621	2	126.6	0.97	
	0910	0.2	21.12	1.8	11.4	6.82	0.614	3	112.8	0.85	
	0915	0.2	21.12	2.2	11.4	6.82	0.610	4	100.2	0.91	
	0920	0.2	21.11	2.8	11.4	6.83	0.607	4	87.6	0.66	
	0925	0.2	21.11	3.2	11.4	6.82	0.603	4	77.6	1.11	
	0930	0.2	21.12	3.8	11.4	6.82	0.566	4	69.5	0.44	
	0935	0.2	21.11	4.2	11.4	6.82	0.566	4	63.2	0.15	
	0940	0.2	21.11	4.8	11.4	6.82	0.566	5	58.2	0.13	
	0957	0.2	21.11	POST	11.8	6.83	0.562	4	65.3	0.42	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: NEPA & City of Dayton MS/MSD: /

Sample Collection Date: 11/2/00 **Sample Collection Time:** 0942

Prepared by: CP/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU8 Well #: LTM-CW3-77 Sample Number: LTM-CW3-77-1000

Purging Method/Equipment: Bladder Samplers: C. Patterson/M. Wordinoff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 24.06

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-18-00	~~09~~ MW 1225	Start Purging									
	~~09~~ MW 1235	0.3	23.71	1.0	15.0	6.96	0.479	8	110.5	1.48	
	1240	0.1	23.71	1.3	14.9	6.88	0.482	9	22.8	0.42	
	1245	0.2	23.68	2.0	14.8	6.90	0.477	3	24.0	0.34	
	1250	0.3	23.65	2.9	14.9	6.90	0.480	2	39.7	0.27	
	1255	0.2	23.65	3.25	15.0	6.90	0.481	2	38.6	0.31	
	1300	Sample									
	1304		23.65	POST	15.1	6.91	0.489	3	48.8	0.76	

Test Parameters: Tmetals (HNO_3) Fmetals (VOC (HCl)) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: OEPA MS/MSD: _____ / _____

Sample Collection Date: 10-18-00 **Sample Collection Time:** 1300

Prepared by: CP/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: CHP4-~~MW01~~ KM Well #: CHP4-MW01 Sample Number: CTM-CHP4-MW01-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 27.50

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/17	0910		27.51	initial	17.5	7.05	1.60	0*	6.7	6.12	Rust colored
	0915		27.51	2.5	15.9	7.14	1.84	-5	-6.8	4.44	clear
	0920		27.51	3.0	15.8	7.16	1.82	-10	-7.8	4.74	clear
	0925		27.54	4.5	15.8	7.18	1.82	-10	-14.6	4.83	clear
	0930		27.54	6.0	15.8	7.18	1.83	-10	-13.8	4.70	clear
	0935		Collect Sample								
	0937		27.53	Post	15.8	7.15	1.83	-10	-14.9	4.66	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/17/00 **Sample Collection Time:** 0935

Prepared by: K. Mercuno

* turb meter reading -10

N:\COMMON3\PLAMONDO\LTM\FORMS\GWPRGLOG

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU10 Well #: GR-330 Sample Number: LTM-GR-330-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 33.89

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/20	1310		33.90	initial	17.7	7.39	0.98	0	82.4	4.96	
	1315		33.90	1.0	15.6	7.17	0.99	0	85.2	2.41	
	1320		33.90	2.0	15.4	7.17	0.99	0	80.2	2.13	
	1325		33.90	3.0	15.4	7.18	0.99	0	84.2	2.03	
	1330		33.90	4.0	15.6	7.18	0.99	0	87.1	1.96	
	1335		Collect	Sample							
	1340		33.90	Post	15.8	7.17	0.98	0	87.9	2.07	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/20/00 **Sample Collection Time:** 1335

Prepared by: K. Mercuno

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU10 Well #: GR-333 Sample Number: LTM-GR-333-1000

Purging Method/Equipment: grundfos Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 15.40

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/20	0855		15.41	1.5	15.0	6.86	1.23	141	139.8	3.60	bugs
	0900		15.41	2.0	14.5	7.08	1.03	128	135.1	3.51	
	0905		15.41	2.25	14.9	7.17	1.01	59	119.1	3.41	
	0910		15.41	2.50	15.7	7.19	1.01	6	70.4	3.32	
	0915		15.41	2.75	16.0	7.20	1.01	0	56.2	3.10	
	0920		15.41	3.0	16.1	7.21	1.01	0	57.5	3.12	
	0925		15.41	3.25	16.2	7.22	1.01	0	56.9	3.08	
	0930		Collect sample								
	0935		15.41	Post	15.7	7.22	1.02	0	45.9	3.03	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: LTM-GR333-5000 **MS/MSD:** _____ / _____

Sample Collection Date: 10/20/00 **Sample Collection Time:** 0930

Prepared by: K Mercuno

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU10 Well #: GR-334 Sample Number: LTM-GR-334-1000

Purging Method/Equipment: grundfos Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 14.67

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/20	0940		14.67	initial	14.2	7.53	0.97	0	-175.0	0.95	bugs
	0945		14.67	2.0	14.5	7.34	0.935	0	-195.0	0.13	
	0950		14.67	3.0	14.8	7.33	0.893	0	-165.4	0.00	
	0955		14.68	4.5	14.7	7.31	0.893	0	-134.8	1.47	
	1000		14.68	5.5	14.8	7.33	0.891	0	-143.1	0.05	
	1005		Collect Sample								
	1010		14.68	Post	14.8	7.33	0.890	0	-140.1	0.04	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/20/00 **Sample Collection Time:** 1005

Prepared by: K Mercurio

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU10 **Well #:** LTM-OU10 MW03S **Sample Number:** LTM-OU10-MW-03S-1000

Purging Method/Equipment: Bladder **Samplers** C. Patterson / M. Woodruff **Well Secure (Y/N)** Y

Well Casing Diameter: _____ in. **Unit Casing Volume (UC):** _____ gal. **Target Purge Volume:** 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 27.81

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-17-00	0920	started purging									
	0925	0.5	27.80	0.25	14.7	7.32	0.689	10	227.5	5.60	
	0930	0.1	27.80	0.5	14.8	7.41	0.687	10	213.6	5.29	
	0935	0.25	27.80	1.0	14.8	7.45	0.688	10	214.2	5.43	
	0940	0.3	27.80	1.5	14.6	7.47	0.688	10	219.0	5.38	
	0945	0.3	27.80	2.2	14.6	7.48	0.688	10	220.0	5.37	
	0950	0.3	27.80	2.8	14.7	7.49	0.688	10	216.3	5.35	
	0955	SAMPLE									
	0958	0.3	27.80	3 ~~4.2~~	14.6	7.41	0.686	10	207.7	6.28	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-17-00 **Sample Collection Time:** 0955

Prepared by: MW/CP

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU10 Well #: LTM-OU10-MW-06D Sample Number: LTM-OU10-MW06D-1000

Purging Method/Equipment: Bladder Samplers C. Patterson/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 28.79

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-17-00	1023	Started Purging									
We were unable to get water (produce) until 1050											
	1053	0.01	28.79	0.6	14.3	7.45	0.769	10*	9.5	3.50	
	1058	0.2	28.79	1.1	13.9	7.44	0.746	10*	7.3	2.47	
	1103	0.25	28.79	2.1	13.8	7.42	0.738		-10.1	2.08	
	1108	0.2	28.79	2.5	13.8	7.41	0.736		-24.9	1.80	
	1113	0.2	28.79	3.2	13.9	7.42	0.733		-27.3	1.62	
	1115	SAMPLED									
	1117	0.2	28.79	3.6	13.9	7.45	0.733		-31.6	3.03	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-17-00 **Sample Collection Time:** 1115

Prepared by: CP/MW

* - Turbidity results are suspect; HORIBA needs gel added

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU10 Well #: LTM-OU10-MW-06S-1000 Sample Number: LTM-OU10-MW-06S-1000

Purging Method/Equipment: Bladder Samplers C. Patterson / M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter : _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 27.69

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-17-00	1125	Started Purging									
	1130	0.2	27.69	0.3	14.7	7.51	0.769	3	123.1	4.07	
	1135	0.2	27.70	0.9	14.2	7.45	0.679	-10*	118.2	2.45	
	1140	0.2	27.69	2.0	14.1	7.42	0.673		113.3	3.33	
	1145	0.2	27.69	2.8	14.1	7.43	0.672		112.0	1.60	
	1148	SAMPLED									
	1150	0.2	27.69	3.5	14.1	7.41	0.671		106.1	3.48	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: (5000) 1148 **MS/MSD:** _____ / _____

Sample Collection Date: 10-17-00 **Sample Collection Time:** 1148

Prepared by: MW / CP

* Turbidity Readings are suspect.

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU10 Well #: LTM-OU10-MW-11D Sample Number: LTM-OU10-MW-11D-1000

Purging Method/Equipment: Bladder Samplers C. Patterson/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 12.51

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
~~1420~~ MW	1520	Starting to purge									
10-18-00	1530	0.1	12.50	0.2	15.9	6.74	0.527	1	125.9	1.21	
	1535	0.2	12.50	1.0	15.1	6.70	0.543	1	120.4	0.44	
	1540	0.2	12.51	1.9	14.9	6.69	0.544	1	113.9	0.30	
	1545	0.2	12.51	2.6	14.8	6.68	0.545	0	111.4	0.31	
	1550	0.2	12.50	3.3	14.8	6.67	0.545	0	105.9	0.29	
	1555	SAMPLE									
	1600	0.2	12.50	POST	15.2	6.67	0.548	0	107.5	0.46	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-18-00 **Sample Collection Time:** 1555

Prepared by: CP/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU10 Well #: LTM-OU10-MW-11S Sample Number: LTM-OU10-MW-11S-1000

Purging Method/Equipment: Bladder Samplers C. Patterson/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 13.20

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-18-00	1430	Start purging									
	1435	0.3	13.25	1.0	15.3	6.78	0.557	2	121.7	3.29	
	1440	0.1	13.25	1.4	15.6	6.74	0.558	2	119.7	3.44	
	1445	0.1	12.55	1.8	15.7	6.70	0.559	1	119.0	3.44	
	1450	0.1	12.53	2.2	15.6	6.68	0.560	1	117.5	3.46	
	1455	0.1	12.53	2.7	15.6	6.67	0.559	1	117.5	3.51	
	1500	SAMPLE									
	1505	0.1	12.50	POST	15.8	6.73	0.559	1	120.0	8.52	

Test Parameters: Tmetals (HNO_3) Fmetals (VOC (HCl)) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None Duplicate/Split: OEPA **MS/MSD:** _____ / _____

Sample Collection Date: 10-18-00 **Sample Collection Time:** 1500

Prepared by: CP/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU10 Well #: LTM-OU10-MW-19D Sample Number: LTM-OU10-MW-19D-1000

Purging Method/Equipment: Bladder Samplers C. Patterson/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter : _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 0 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 34.40

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-20-00	1330	Start purging									
	1335	0.2	34.40	0.4	15.9	6.81	0.542	1	211.4	5.06	
	1340	0.3	34.40	1.2	15.4	6.75	0.561	2	203.3	5.33	
	1345	0.3	34.40	2.0	15.3	6.76	0.561	0	192.5	5.20	
	1350	0.2	34.40	2.8	15.4	6.74	0.561	1	184.1	5.22	
	1355	1	34.40	3.6	15.3	6.73	0.562	1	180.2	5.25	
	1400	1	34.40	4.3	15.3	6.73	0.561	1	177.4	5.36	
	1404	SAMPLE									
	140[illegible]		34.40	POST	15.7	6.76	0.595	1	215.3	5.32	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-20-00 **Sample Collection Time:** 1404

Prepared by: CP/MW

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU10 Well #: LTM-OU10-MW-21S Sample Number: LTM-OU10-MW-21S-1000

Purging Method/Equipment: Bladder Samplers C. Patterson/M. Woodruff Well Secure (Y/N) Y

Well Casing Diameter: _____ in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 7.70

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-19-00	1645	Start	purging								
	1650	0.3	7.70	0.9	14.6	6.75	0.571	-10*	67.9	0.86	
	1655	0.3	7.70	1.7	14.6	6.72	0.570		69.1	0.96	
	1700	0.3	7.70	2.3	14.7	6.70	0.570		70.8	1.00	
	1705	0.3	7.70	2.8	14.8	6.69	0.570		71.5	0.89	
	1710	0.3	7.70	3.2	14.9	6.68	0.570		73.1	0.81	
	1712	SAMPLE									
	1715		7.70	POST	15.0	6.69	0.568		74.3	1.53	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-19-00 **Sample Collection Time:** 1712

Prepared by: CP/MW

* Turbidity meter not working

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU10 Well #: OU10-MW25S Sample Number: LTM-OU10-MW-255-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 2 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 28.81

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/17	1050		28.81	initial	16.2	7.61	.894	-10	129.2	4.61	Clear
	1055		28.81	1.0	14.5	7.35	.953	-10	124.7	3.32	
	1100		28.81	2.0	14.3	7.35	.954	-10	122.7	3.20	
	1105		28.81	3.0	14.3	7.36	0.954	-10	122.3	3.21	
	1110		28.81	3.75	14.2	7.37	0.953	-10	122.9	3.22	
	1115		Collect Sample								
	1117		28.81	Post	14.3	7.35	0.952	-10	125.5	3.33	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/17/00 **Sample Collection Time:** 1115

Prepared by: K. Mercuno

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: OU1 D

Well #: LTM-NEA-MW37-1D

Sample Number: LTM-NEA-MW37-1D-1000

Purging Method/Equipment: Bladder

Samplers C Patterson/M. Woodruff

Well Secure (Y/N) Y

Well Casing Diameter : _____ in.

Unit Casing Volume (UC): _____ gal.

Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____

Static Water Level (Depth to Water): 10.12

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp^ (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-19-00	1510	start purging									
	1518	0.2	10.13	0.1	17.9	7.05	0.539	-10*	-81.6	0.85	
	1524	0.2	10.13	0.4	16.3	6.78	0.552		-83.5	0.47	
	1530	0.2	10.13	0.8	17.0	6.76	0.553		-72.5	0.53	
	1535	0.2	10.13	1.1	16.4	6.73	0.564		-65.0	0.36	
	1540	0.1	10.13	1.2	17.3	6.72	0.564		-63.1	0.43	
	1545	0.1	10.13	1.25	17.6	6.72	0.565		-63.0	0.48	
	1555	0.1	10.13	1.4	17.6	6.76	0.571		-49.7	1.02	
	1600	0.1	10.13	1.8	16.4	6.75	0.566		-44.0	0.94	
	1605	0.1	10.13	2.0	16.4	6.72	0.565		-41.7	0.63	
	1610	0.1	10.13	2.2	16.3	6.71	0.565		-40.9	0.46	
1612 SAMPLED →	1615	0.1	10.13	POST	16.6	6.70	0.566		-36.4	1.35	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10-19-00 **Sample Collection Time:** 1612

Prepared by: CP/MW

* Turbidity meter not working ^ Temp. fluctuates due to direct sunlight

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: CHP4 (OU10) Well #: ~~25~~23-578-M Sample Number: LTM-23-578-M-1000

Purging Method/Equipment: bladder Samplers DW/KM Well Secure (Y/N) Y

Well Casing Diameter: 4 in. Unit Casing Volume (UC): _____ gal. Target Purge Volume: _____ gal

Sounding (Depth to Well Bottom): _____ **Static Water Level** (Depth to Water): 31.92

Date 2000	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10/17	1603		31.95	initial	16.5	7.95	1.19	10	72.2	8.06	clear
	1005		31.95	0.5	15.6	7.49	1.48	-10	78.9	3.93	
	1010		31.98	2.0	15.1	7.37	1.63	-10	85.0	3.52	
	1015		31.98	2.5	15.1	7.39	1.63	-10	89.2	4.01	
	1020		31.98	3.0	15.1	7.39	1.62	-10	95.2	5.24	
	1025		Collect Sample								
	1027		32.00	Post	15.1	7.39	1.62	-10	99.8	6.22	

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)
BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DROExtra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: 10/17/00 **Sample Collection Time:** 1025

Prepared by: K. Mercuno

INTERNATIONAL TECHNOLOGY CORPORATION

Groundwater Purge Log

WPAFB/ Fairborn, OH
PROJECT 777097

SITE ID: BSS

Well #: LTM-BSS-P-1

Sample Number: LTM-BSS-P-1-1000

Purging Method/Equipment: Bladder

Samplers C. Patterson/M. Woodruff

Well Secure (Y/N) Y

Well Casing Diameter: _____ in.

Unit Casing Volume (UC): _____ gal.

Target Purge Volume: 2 gal

Sounding (Depth to Well Bottom): _____

Static Water Level (Depth to Water): _____

Date	Time (24hr)	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gal)	Temp (C°)	pH	Cond. (mV)	Turbidity (NTU)	Redox (mV)	DO mg/L	Water Description
10-20-00	1018	Begin Purging			- NO	water					

DRY WELL

Test Parameters: Tmetals (HNO_3) Fmetals VOC (HCl) SVOC Pest/PCB Dioxin/Furans NH_3 (H_2SO_4) CN (NaOH)

BTEX (HCl) Sulfate/Nitrate Methane/Ethane/Ethene (no preserv) TPH/DRO Extra

QA/QC Samples Taken (Circle Applicable): None **Duplicate/Split:** _____ **MS/MSD:** _____ / _____

Sample Collection Date: _____ **Sample Collection Time:** _____

Prepared by: _____

Bill of Lading from Perma-Fix: October 2000

PERMA-FIX
ENVIRONMENTAL SERVICES

15574

PERMA-FIX OF DAYTON, INC.
300 S. WEST END AVENUE DAYTON, OH 45427
TEL: 937/268-6501
Ohio Toll Free: 1-800-762-3602
National Toll Free: 1-800-543-3670
A U.S. E.P.A. Identified Used Oil Recycling and Marketing Facility • OHD004274031

DRIVER Mike Jensen DATE 12-7-00

TRUCK# 292 LICENSE# PHONE#

NAME WPAFB

STREET SR 844 - Gate 15A

CITY Fairborn Ohio ZIP CODE

CASH ☐ CHARGE ☐ NO CHARGE ☐

	OIL NOS COMBUSTIBLE, LIQUID	Unit Price		
400	gal. water + oil			
	picked up			
	Bill ; IT Corp.			
	THANK YOU Present this bill with claims			

We'll certify that the above identified waste materials are classified as non-regulated materials suitable for recycling and have not been mixed with any listed hazardous constituent.

NAME [signature] TITLE Site Supr. - IT Corp.

Anthony Business Forms (937) 253-0072

Appendix I

Basewide LTM Chain of Custody Records

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client	Project Manager	Date	Chain Of Custody Number
IT Corporation	Joe Tyburski	10-16-00	13797

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page
11499 Chester Rd.	(513) 782-4970 (513) 782-4749	330-966-9789	1 of 1

City	State	Zip Code	Site Contact
Cincy	OH	45246	Greg Plamondon Cell (937) 823-1412

Project Name	Carrier/Waybill Number
WPAFB - LTM #777097	FEDEX # 812758469914

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC's Method 8260 w/ MTBE
LTM-OU4-01B-60-1000	10/16/00	1541	Groundwater	120ml	VOA	3	HCl		✓
LTM-OU4-01C-84-1000	10/16/00	1555							✓
LTM-CHP4-MW01-1000	10/17/00	0935							✓
LTM-23-57B-M-1000	10/17/00	1025							✓
LTM-OU10-MW-25S-1000	10/17/00	1115							✓
LTM-OU10-MW-06S-1000		1148							✓
LTM-OU10-MW-06S-5000		1148							✓
LTM-OU10-MW-06D-1000		1115							✓
LTM-OU10-MW-03S-1000		0955							✓

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/17/00	1830	1. Received By: FedEx	10/17/00	1830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client	Project Manager	Date	Chain Of Custody Number
IT Corporation	Joe Tyburski	10-18-00	13603
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11499 Chester Rd	(513) 782-4700/(513) 782-4749		
City / State / Zip Code	**Site Contact**		
Cincinnati / OH / 45246	Greg Plamondon		
Project Name	**Carrier/Waybill Number**		
WPAFB	Fedex / 821758469903		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	Analysis: VOC
LTM-CW3-77-1000	10-18-00	1300	Grd Wtr	120ml	VOA	3	HCl		X
LTM-OU10-MW-11S-1000		1500		120ml	VOA	3	HCl		X
LTM-OU10-MW-11D-1000		1555		120ml	VOA	3	HCl		X
LTM-07-530-M-1000		1535							X
LTM-OU4-MW-03B-1000		1415							X
LTM-LF12-MW15A-1000		1320							X
LTM-NEA-MW27-3I-1000		1210							X
TB101800		0800	Trip Blank	80ml		2			X
← LAST ENTRY →									

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify): ✓

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/18/00	1700	1. Received By: FedEx	10/18/00	1700
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tyburski	Date: 10-19-00	Chain Of Custody Number: 13799
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700/(513) 782-4749	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: FedEx : 820967086975		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	Analysis: VOC w/ MTBE
LTM-NEA-MW37-1D-1000	10-19-00	1612	Grndwtr	120ml	VOA	3	4°C		X
LTM-0U10-MW21S-1000	10-19-00	1712	Grndwtr	120ml	VOA	3	4°C		X
LTM-0U4-NW-03X-1000	↓	1605	↓	↓	↓	↓	↓		X
LTM-NEH-MW34-2S-1000	↓	1505	↓	↓	↓	↓	↓		X
TB101900	10/19/00	0800	Trip Blank	80ml	VOA	2	HCl		X
← LAST ENTRY →									

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/19/00	1815	1. Received By: Fed Ex	10/19/00	1815
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tybulski	Date: 10/20/00	Chain Of Custody Number: 13607
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4749	Lab Number:	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX / 8209 0708 6964		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	Analysis: VOC by 8260B
LTM-GR-333-1000	10/20/00	0930	Grd wtr	120ml	VOA	3	4°C		X
LTM-GR-333-5000	↓	↓	↓	↓	↓	↓	↓		X
LTM-GR-334-1000	↓	1005	↓	↓	↓	↓	↓		X
LTM-FTA2:MW02C-1000	↓	1140	↓	↓	↓	↓	↓		X
LTM-GR-330-1000	↓	1335	↓	↓	↓	↓	↓		X
TB102000	10/20/00	0800	Trip Blank	80ml	↓	2	↓		X
← LAST ENTRY →									

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/20/00	1500	1. Received By: FedEx	10/20/00	1500
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tyburski	Date: 10-20-00	Chain Of Custody Number: 13609
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700/(513) 782-4749	Lab Number:	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: fedex: 820967086964		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	Analysis: VOC w/MTBE
LTM-BS5-P-2-1000	10-20-00	1002	Grd wtr	120ml	VOA	3	4°C		X
LTM-BS5-P-3-1000		1045							X
LTM-BS5-P-3-5000									X
LTM-BS5-P-4-1000		1142							X
LTM-BS5-P-4-1000 MS									X
LTM-BS5-P-4-1000 MSD									X
LTM-0410-MW-19D									X

Special Instructions
* VOA vials not preserved w/ HCl

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/20/00		1. Received By: Fed Ex	10/20/00	
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tylewski	Date: 10-23-00	Chain Of Custody Number: 13610
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4849	Lab Number:	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: fedex: 820967086953		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC w/MTBE	SVOC	PEST/PCB	DIOXIN/FURN	TAL METALS	AMMONIA	CYANIDE	EXTRA EXTRACT.
LTM-05-DM-1238-1000	10-23-00	0948	Gnd wtr	120ml	VOA	3	HCl		X							
LTM-05-DM-1238-5000	↓	0948	↓	↓	↓	↓	↓		X							
LTM-05-DM123I-1000	↓	1052	↓	↓	↓	↓	↓		X							
LTM-05-DM123D-1000	↓	1142	↓	↓	↓	↓	↓		X							
TB-102300-1	10-23-00	0948	Trip Blank	80ml	VOA	2	4°C		X							
~~WP-LF08-MW02A-1000~~	~~10-23-00~~	~~1640~~	~~GROUNDWATER~~	~~120ml~~	~~VOA~~	~~3~~	~~HCl~~		X							
				2L	AMBER	2	4°C			X						
				1L	AMBER	1	↓				X					
				2L	AMBER	2	↓					X				
				1L	POLY	1	HNO_3						X			
				500ml	POLY	1	H_2SO_4							X		
				250ml	POLY	1	NaOH								X	
~~WP-LF08-MW02A-1000~~	~~10-23-00~~	~~1640~~	~~GROUNDWATER~~	~~1L~~	~~AMBER~~	~~1~~	~~4°C~~									X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: Greg Plamondon	10/23/00	1800	1. Received By: FedEx	10/23/00	1800
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted] [redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/23/00	Chain Of Custody Number: 13608
Address: 11499 CHESTER RD	Telephone Number (Area Code)/Fax Number: (513) 782-4700/(513) 782-4749	Lab Number:	Page 1 of 1
City: CINCINNATI State: OH Zip Code: 45246	Site Contact: GREG PLAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX: 820967086953		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC	SVOC	DIOXIN/FURAN	PEST/PCB	EXTRA EXTRACT	TAL METALS	AMMONIA	CYANIDE
LTM-OU4-MW-12B-1000	10/23/00	0945	GROUNDWATER VOC	3x40ml	CLEAR VOA	[redacted]	HCl/4°C		X							
LTM-OU4-MW-02A-1000		1048							X							
LTM-OU4-MW-02B-1000		1130							X							
LTM-OU4-MW-04A-1000		1345							X							
LTM-OU4-MW-04A-1000MS		1345							X							
LTM-OU4-MW-04A-1000MSD		1345							X							
[redacted] WP-LF08-MW02C-1000	10/23/00	1530	VOC	3x40ml	CLEAR VOA	[redacted]	HCl/4°C		X							
			SVOC	2x1L	AMBER GLASS		4°C			X						
			DIOXIN/FURAN	2x1L	AMBER GLASS						X					
			PEST/PCB	1x1L	AMBER GLASS							X				
			EXTRA EXTRACT	1x1L	AMBER GLASS								X			
			TAL METALS	1x1L	POLY		HNO3							X		
			AMMONIA	1x500ml	POLY		H2SO4								X	
WP-LF08-MW02C-1000	10/23/00	1530	CYANIDE	1x250ml	POLY		NaOH									X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/23/00	1800	1. Received By: FEDEX	10/23/00	
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT CORPORATION	Project Manager: JOE TYBURSKI	Date: 10/31/00	Chain Of Custody Number: 14695
Address: 11499 CHESTER ROAD	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4749	Lab Number:	Page 1 of 1
City: CINCINNATI State: OH Zip Code: 45246	Site Contact: GREG PLAMONDON		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX: 8209670865 08		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC W/MTBE	SVOC	DIOXIN/FURAN	PEST/PCB	EXTRA EXTRACT	TAL METALS	AMMONIA	CYANIDE
LTM-CW05-055-1000	10/31/00	1000	GROUNDWATER	120 ml	VOA	3	HCl		X							
WP-01-DM102S-M-1000	10/31/00	1225	GROUNDWATER	120 ml	VOA	3	HCl		X							
				2L	AMBER	2	4°C			X						
				2L		2					X					
				1L		1						X				
				1L		1							X			
				1L	POLY	1	HNO3							X		
				500 ml		1	H2SO4								X	
WP-01-DM102S-M-1000	10/31/00	1225	GROUNDWATER	250 ml		1	NaOH									X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

1. Relinquished By: [signature]	Date: 10/31/00	Time: 1800	1. Received By: FEDEX	Date: 10/31/00	Time: 1800
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corp.	Project Manager: Joe Tyburski	Date: 11/1/00	Chain Of Custody Number: 59923
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700 (513) 782-4749	Lab Number: (300) 966-9788	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: fedex # 820967086519		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	Analysis: VOC w/ MTBE
LTM-HD-12S-1000	11/1/00	~~0950~~ 1052	Grndwtr	120ml	VOA	3	HCl		X
LTM-HD-12M-1000	11/1/00	0950	Grndwtr	120ml	VOA	3	HCl		X

Special Instructions

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months

Turn Around Time Required: [X] Normal [ ] Rush

QC Level: [ ] I. [ ] II. [ ] III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	11/2/00	1500	1. Received By: FedEx	11/2/00	1500
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corporation	Project Manager: Joe Tyburski	Date:	Chain Of Custody Number: 12958
Address: 11499 Chester Rd.	Telephone Number (Area Code)/Fax Number: 513 782-4700 513 782-4749	Lab Number: (330) 966-9789	Page ____ of ____
City: Cincy; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: FEDEX #		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	VOC	SVOC	Dioxin/Furan	Pesticides/PCB's	Flpa Extractable	TAL Metals	Ammonia	Cyanide			
LTM-HD-135-1000	11/1/00	0930	Grdwtr	120 ml	VOA	3	HCl		X										
LTM-HD-135-AMB01		0910	Amb grab						X										
LTM-HD-13D-1000		1015	Grdwtr						X										
LTM-MW131S-1000		1130							X										
LTM-MW131M-1000	11/2/00	0912	Groundwater	120 ml	VOA	3	HCl		X										
LTM-MW131M-5000						1			X										
LTM-CW09-060-1000	11/2/00	1030	Groundwater	120 ml	VOA	3	HCl		X										
WP-LF08-MW05B-1000	11/2/00	1155	Groundwater	120 ml	VOA	3	HCl		X										
				2 L	Amber	2	4°C			X									
				2 L	Amber	2	4°C				X								
				1 L	Amber	1	4°C					X							
				1 L	Amber	1	4°C						X						
				1 L	Poly	1	HNO_3							X					
				500 ml	Poly	1	H_2SO_4								X				
				250 ml	Poly	1	NaOH									X			

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	11/2/00	1500	1. Received By: FedEx	11/2/00	1500
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

Quanterra

QUA-4124

Client: IT Corp.	Project Manager: Joe Tyburski	Date: 11/2/00	Chain Of Custody Number: 12964
Address: 11499 Chester Rd	Telephone Number (Area Code)/Fax Number: (513) 782-4700 / (513) 782-4749	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45246	Site Contact: Greg Plamondon		
Project Name: WPAFB	Carrier/Waybill Number: fedex 820967086519		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Preservative	Condition on Receipt	Analysis: VOC w/ MTBE
LTM-MW132S-1000	11/2/00	0942	Groundwtr	120ml	VOA	3	HCl		X
LTM-HD11-1000		1058		120ml	VOA	3	HCl		X
LTM-GW05-085-1000		1233		120ml	VOA	3	HCl		X
LTM-GW05-085-1000 MS				120ml	VOA	3	HCl		X
LTM-GW05-085-1000-MSD				120ml	VOA	3	HCl		X
LTM-110100-TB01	11/2/00	0900	Trip Blank	80ml	VOA	2	4°C		

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Turn Around Time Required: ☒ Normal ☐ Rush

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	11/2/00	1500	1. Received By: FedEx	11/2/00	1500
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Appendix J

Basewide LTM Semiannual VOCs Analytical Data

Analytical Legend

AMB – Ambient
B (or MBB, MBD) - Method blank contamination present
D - Diluted sample analytical results
DUP - Duplicate
EW – Extraction Well
E - Estimated result. Concentration exceeds the calibration range
I - Quantification suspect due to matrix interference
IW – Insufficient Water
J – Estimated Result. Result less than Reporting Limit
LCS – Laboratory Control Sample
LF – Landfill
LW – Line Water
mg/L – milligrams/Liter
µg/L – micrograms/Liter
MW – Monitoring Well
N – Spiked analyte recovery is outside stated control limits
NA - Not Applicable
ND – Not Detected
NR – Not Reported
pg/L – picograms/Liter
Q - Estimated maximum possible concentration
RB – Rinsate Blank
R2 – Indicates second re-extraction analysis run was required due to surrogate recoveries outside of acceptance criteria on the initial sample run or that analytical results presented are for a diluted sample due to high target analytes.
T or TB – Trip Blank

-- – Not Analyzed
= – Confirmed detection
( ) – Result exceeds MCL value
[ ] – Result exceeds background value

CASE NARRATIVE

A0J190155

The following report contains the analytical results for nine water samples submitted to STL North Canton by The IT Corporation from the WPAFB-LTM Site, project number 777097. The samples were received October 18, 2000, according to documented sample acceptance procedures.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the Analytical Methods Summary page in accordance with the method indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The samples were received at the laboratory at a temperature of 2.3° C.

Sample LTM-OU10-MW-06D-1000 (1 X 40ML) was received in a broken container. There was sufficient sample remaining for analysis.

GC/MS VOLATILES

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

SAMPLE SUMMARY

A0J190155

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DNETT	001	LTM-OU4-01B-60-1000	10/16/00	15:41
DNETX	002	LTM-OU4-01C-84-1000	10/16/00	15:55
DNET1	003	LTM-CHP4-MW01-1000	10/17/00	09:35
DNET5	004	LTM-23-578-M-1000	10/17/00	10:25
DNEVA	005	LTM-OU10-MW-25S-1000	10/17/00	11:15
DNEVC	006	LTM-OU10-MW-06S-1000	10/17/00	11:48
DNEVD	007	LTM-OU10-MW-06S-5000	10/17/00	11:48
DNEVE	008	LTM-OU10-MW-06D-1000	10/17/00	11:15
DNEVH	009	LTM-OU10-MW-03S-1000	10/17/00	09:55

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J190155

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0J190255

The following report contains the analytical results for eight water samples submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received October 19, 2000, according to documented sample acceptance procedures.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 1.6° C. The samples were received in wet ice.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

SAMPLE SUMMARY

A0J190255

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DNFLX	001	LTM-CW3-77-1000	10/18/00	13:00
DNFL4	002	LTM-OU10-MW-11S-1000	10/18/00	15:00
DNFL6	003	LTM-OU10-MW-11D-1000	10/18/00	15:55
DNFL8	004	LTM-07-520-M-1000	10/18/00	15:35
DNFMA	005	LTM-OU4-MW-03B-1000	10/18/00	14:45
DNFME	006	LTM-LF12-MW15A-1000	10/18/00	13:00
DNFMG	007	LTM-NEA-MW27-3I-1000	10/18/00	12:10
DNFN9	008	TB101800	10/18/00	08:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J190255

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0J200244

The following report contains the analytical results for five water samples submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received October 20, 2000, according to documented sample acceptance procedures.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 2.7° C. The samples were received in wet ice.

GC/MS VOLATILES

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The pH of the samples LTM-NEA-MW37-1D-1000, LTM-OU10-MW21S-1000, LTM-OU4-MW-03C-1000 and LTM-NEA-MW34-2S-1000 was greater than 2. The sample was analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.

SAMPLE SUMMARY

A0J200244

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DNH82	001	LTM-NEA-MW37-1D-1000	10/19/00	16:12
DNH9V	002	LTM-OU10-MW21S-1000	10/19/00	17:12
DNH92	003	LTM-OU4-MW-03C-1000	10/19/00	16:05
DNJAA	004	LTM-NEA-MW34-2S-1000	10/19/00	15:05
DNJAF	005	TB101900	10/19/00	08:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J200244

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0J230124

The following report contains the analytical results for ten water samples and one quality control sample submitted to STL North Canton by The IT Corporation from the WPAFB Site. The samples were received October 23, 2000, according to documented sample acceptance procedures.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the Analytical Methods Summary page in accordance with the method indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The samples were received at the laboratory at a temperature of 2.2° C.

GC/MS VOLATILES

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The pH of the samples LTM-BS5-P-2-1000, LTM-BS5-P-3-1000, LTM-BS5-P-3-5000, LTM-BS5-P-4-1000, LTM-OU10-MW-19D, LTM-GR-333-1000, LTM-GR-333-5000, LTM-GR-334-1000, LTM-FTA2:MW02C-1000, and LTM-GR-330-1000 was greater than 2. The samples were analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.

SAMPLE SUMMARY

A0J230124

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DNLC4	001	LTM-BS5-P-2-1000	10/20/00	10:02
DNLC9	002	LTM-BS5-P-3-1000	10/20/00	10:45
DNLDA	003	LTM-BS5-P-3-5000	10/20/00	10:45
DNLDD	004	LTM-BS5-P-4-1000	10/20/00	11:42
DNLDJ	005	LTM-0U10-MW-19D	10/20/00	
DNLDL	006	LTM-GR-333-1000	10/20/00	09:30
DNLDN	007	LTM-GR-333-5000	10/20/00	09:30
DNLDP	008	LTM-GR-334-1000	10/20/00	10:05
DNLDQ	009	LTM-FTA2:MW02C-1000	10/20/00	11:40
DNLDV	010	LTM-GR-330-1000	10/20/00	13:35
DNLDW	011	TB102000	10/20/00	08:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J230124

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0J240234

The following report contains the analytical results for nine water samples submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received October 24, 2000, according to documented sample acceptance procedures.

The remaining samples listed on the chain-of-custody are presented under separate cover.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the coolers upon sample receipt was 2.2, 1.8 and1.9° C. The samples were received in wet ice.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

SAMPLE SUMMARY

A0J240234

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DNNJR	001	LTM-OU4-MW-12B-1000	10/23/00	09:45
DNNJ1	002	LTM-OU4-MW-02A-1000	10/23/00	10:48
DNNJ4	003	LTM-OU4-MW-02B-1000	10/23/00	11:30
DNNJ6	004	LTM-OU4-MW-04A-1000	10/23/00	13:45
DNNJ7	005	LTM-O5-DM-123S-1000	10/23/00	09:48
DNNKA	006	LTM-O5-DM-123S-5000	10/23/00	09:48
DNNKF	007	LTM-O5-DM123I-1000	10/23/00	10:52
DNNKG	008	LTM-O5-DM123D-1000	10/23/00	11:42
DNNKH	009	TB-102300-1	10/23/00	09:48

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0J240234

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0K010189

The following report contains the analytical results for one water sample submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The sample was received November 1, 2000, according to documented sample acceptance procedures.

Sample WP-01-DM1025-1000 listed on the chain-of-custody is reported under separate cover.

STL North Canton utilizes USEPA approved methods in all analytical work. The sample presented in this report was analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the coolers upon sample receipt was 1.4, 1.4 and 1.3° C. . The samples were received in wet ice.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

SAMPLE SUMMARY

A0K010189

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DN6QA	001	LTM-CW05-055-1000	10/31/00	10:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0K010189

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE
A0K030186

The following report contains the analytical results for thirteen water samples submitted to STL North Canton by The IT Corporation – Cincinnati from the WPAFB Site. The samples were received November 3, 2000, according to documented sample acceptance procedures.

Sample WP-LF08-MW05B-1000 listed on the chain-of-custody is reported under separate cover.

STL North Canton utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the Analytical Methods Summary page in accordance with the methods indicated. A summary of QC data for these analyses is included in this report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 1.3° C. . The samples were received in wet ice.

See STL's Cooler Receipt Form for additional information.

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

SAMPLE SUMMARY

A0K030186

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DPAN5	001	LTM-MW132S-1000	11/02/00	09:42
DPAN7	002	LTM-HD11-1000	11/02/00	10:58
DPAPA	003	LTM-CW05-085-1000	11/02/00	12:33
DPAPC	004	LTM-110100-TB01	11/01/00	09:00
DPAPH	005	LTM-HD-13S-1000	11/01/00	09:30
DPAPP	006	LTM-HD-13S-AMB01	11/01/00	09:10
DPAPT	007	LTM-HD-13D-1000	11/01/00	10:15
DPAPW	008	LTM-MW131S-1000	11/01/00	11:30
DPAP1	009	LTM-MW131M-1000	11/02/00	09:12
DPAP3	010	LTM-MW131M-5000	11/02/00	09:12
DPAP4	011	LTM-CW09-060-1000	11/02/00	10:30
DPAP5	012	LTM-HD-12S-1000	11/01/00	10:45
DPAP8	013	LTM-HD-12M-1000	11/01/00	09:45

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ANALYTICAL METHODS SUMMARY

A0K030186

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-07-520-M-1000		LTM-0U10-MW-19D		LTM-23-578-M-1000		LTM-BS5-P-3-1000		LTM-BS5-P-3-5000	
Sample Date		10/18/00		10/20/00		10/17/00		10/20/00		10/20/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	1.6	J,B	0.79	J,B	1.2	J,B	ND		ND	
Benzene	(ug/L)	ND		ND		ND		ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Carbon tetrachloride	(ug/L)	ND		0.55	J	ND		ND		ND	
Chlorobenzene	(ug/L)	1.3	=	ND		ND		ND		ND	
Chloroform	(ug/L)	ND		1.7	=	ND		1.4	=	1.4	=
Chloromethane	(ug/L)	ND		ND		ND		ND		ND	
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	ND		ND		0.63	J	ND		ND	
Tetrachloroethene	(ug/L)	ND		ND		2.3	=	(22)	=	(20)	=
Toluene	(ug/L)	0.21	J	ND		0.31	J	ND		ND	
Trichloroethene	(ug/L)	ND		(5.1)	=	(14)	=	0.19	J	ND	
Vinyl chloride	(ug/L)	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	0.21	J	ND		ND		ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-BS5-P-4-1000		LTM-CHP4-MW01-1000		LTM-CW04-060-1000		LTM-CW05-055-1000		LTM-CW05-085-1000	
Sample Date		10/20/00		10/17/00		11/02/00		10/31/00		11/02/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		0.29	J	ND		ND	
Acetone	(ug/L)	ND		1.4	J,B	1.2	J,B	2.1	J,B	5.0	J
Benzene	(ug/L)	0.35	J	ND		ND		0.13	J	ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Carbon tetrachloride	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		2.1	=	ND	
Chloroform	(ug/L)	1.5	=	0.20	J	ND		ND		ND	
Chloromethane	(ug/L)	ND		0.20	J	ND		ND		ND	
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	ND		0.70	J	0.22	J,B	0.60	J,B	3.2	J,B
Tetrachloroethene	(ug/L)	(23)	=	2.3	=	ND		ND		ND	
Toluene	(ug/L)	0.33	J	0.29	J	ND		0.29	J	ND	
Trichloroethene	(ug/L)	ND		1.1	J	0.48	J	1.8	J	(73)	=
Vinyl chloride	(ug/L)	ND		ND		ND		0.31	J	ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND		0.89	=	5.0	=	6.6	=
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-CW3-77-1000		LTM-GR-330-1000		LTM-GR-333-1000		LTM-GR-333-5000		LTM-GR-334-1000	
Sample Date		10/18/00		10/20/00		10/20/00		10/20/00		10/20/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		0.34	J	0.32	J	ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	0.84	J,B	ND		0.78	J,B	0.86	J,B	0.76	J,B
Benzene	(ug/L)	ND		ND		ND		ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Carbon tetrachloride	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		1.6	=	1.7	=	ND	
Chloromethane	(ug/L)	ND		ND		ND		ND		ND	
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	ND		ND		ND		ND		ND	
Tetrachloroethene	(ug/L)	1.1	=	(12)	=	0.75	J	0.80	J	ND	
Toluene	(ug/L)	0.21	J	ND		ND		ND		ND	
Trichloroethene	(ug/L)	2.1	=	ND		3.4	=	3.4	=	ND	
Vinyl chloride	(ug/L)	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	0.32	J	ND		ND		ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-HD-12M-1000		LTM-HD-12S-1000		LTM-HD-13D-1000		LTM-HD-13S-1000		LTM-HD-13S-AMB01	
Sample Date		11/01/00		11/01/00		11/01/00		11/01/00		11/01/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		3.4	=	ND		ND	
Acetone	(ug/L)	1.9	J,B	1.7	J,B	1.8	J,B	ND		2.8	J
Benzene	(ug/L)	ND		ND		ND		ND		1.1	=
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		3.3	=
Carbon tetrachloride	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		19	=
Chloromethane	(ug/L)	ND		ND		ND		ND		ND	
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		1.4	=
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	0.99	J,B	0.57	J,B	0.68	J,B	0.21	J,B	0.20	J,B
Tetrachloroethene	(ug/L)	ND		(15)	=	ND		ND		ND	
Toluene	(ug/L)	ND		ND		ND		0.15	J	0.24	J
Trichloroethene	(ug/L)	1.0	J	1.6	J	ND		ND		ND	
Vinyl chloride	(ug/L)	ND		ND		0.47	J	(3.5)	=	ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND		26	=	4.5	=	ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		0.90	=	ND		ND	

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-HD11-1000		LTM-LF12-MW15A-1000		LTM-MW131M-1000		LTM-MW131M-5000		LTM-MW131S-1000	
Sample Date		11/02/00		10/18/00		11/02/00		11/02/00		11/01/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	0.20	J	ND		ND		ND		ND	
Acetone	(ug/L)	1.6	J	0.82	J,B	1.3	J,B	1.1	J,B	1.2	J,B
Benzene	(ug/L)	ND		ND		ND		ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Carbon tetrachloride	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		ND	
Chloromethane	(ug/L)	ND		ND		ND		ND		ND	
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	0.83	J,B	ND		0.24	J,B	0.21	J,B	0.22	J,B
Tetrachloroethene	(ug/L)	ND		ND		ND		ND		1.4	=
Toluene	(ug/L)	ND		0.21	J	ND		ND		ND	
Trichloroethene	(ug/L)	(22)	=	2.2	=	0.24	J	0.21	J	1.3	J
Vinyl chloride	(ug/L)	0.59	J	ND		(18)	=	(18)	=	ND	
cis-1,2-Dichloroethene	(ug/L)	29	=	0.45	J	21	=	22	=	2.6	=
trans-1,2-Dichloroethene	(ug/L)	0.63	=	ND		0.24	J	0.22	J	ND	

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-MW132S-1000		LTM-NEA-MW27-3I-1000		LTM-NEA-MW37-1D-1000		LTM-O5-DM-123S-1000		LTM-O5-DM-123S-5000	
Sample Date		11/02/00		10/18/00		10/19/00		10/23/00		10/23/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	2.6	J	1.3	J,B	ND		1.6	J,B	1.2	J,B
Benzene	(ug/L)	ND		ND		ND		ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Carbon tetrachloride	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		ND	
Chloromethane	(ug/L)	ND		ND		ND		ND		ND	
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		0.45	J	ND		ND	
Methylene chloride	(ug/L)	1.7	J,B	ND		ND		0.42	J	0.33	J
Tetrachloroethene	(ug/L)	4.1	=	(15)	=	ND		ND		ND	
Toluene	(ug/L)	ND		0.21	J	ND		ND		ND	
Trichloroethene	(ug/L)	(30)	=	ND		ND		2.5	=	2.6	=
Vinyl chloride	(ug/L)	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	1.9	=	ND		ND		0.68	=	0.68	=
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-O5-DM123D-1000		LTM-O5-DM123I-1000		LTM-OU10-MW-03S-1000		LTM-OU10-MW-06D-1000		LTM-OU10-MW-06S-1000	
Sample Date		10/23/00		10/23/00		10/17/00		10/17/00		10/17/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	1.4	J,B	1.2	J,B	0.85	J,B	0.93	J,B	0.90	J,B
Benzene	(ug/L)	ND		ND		ND		ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Carbon tetrachloride	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		ND	
Chloromethane	(ug/L)	ND		ND		ND		ND		ND	
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	0.40	J	0.23	J	0.72	J	0.72	J	0.68	J
Tetrachloroethene	(ug/L)	ND		ND		(7.4)	=	(5.0)	=	ND	
Toluene	(ug/L)	ND		ND		0.24	J	0.20	J	0.25	J
Trichloroethene	(ug/L)	ND		2.5	=	ND		ND		(9.7)	=
Vinyl chloride	(ug/L)	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		0.34	J	ND		ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-OU10-MW-06S-5000		LTM-OU10-MW-11D-1000		LTM-OU10-MW-11S-1000		LTM-OU10-MW-25S-1000		LTM-OU10-MW21S-1000	
Sample Date		10/17/00		10/18/00		10/18/00		10/17/00		10/19/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	0.95	J,B	ND		1.0	J,B	1.5	J,B	ND	
Benzene	(ug/L)	ND		ND		0.10	J	ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Carbon tetrachloride	(ug/L)	ND		ND		ND		ND		2.0	=
Chlorobenzene	(ug/L)	ND		ND		ND		ND		ND	
Chloroform	(ug/L)	ND		ND		0.19	J	ND		0.31	J
Chloromethane	(ug/L)	ND		ND		ND		ND		ND	
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	0.23	J	ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	0.66	J	ND		ND		0.59	J	ND	
Tetrachloroethene	(ug/L)	ND		0.70	J	(9.4)	=	(19)	=	ND	
Toluene	(ug/L)	0.21	J	0.21	J	0.21	J	0.26	J	ND	
Trichloroethene	(ug/L)	(9.5)	=	2.4	=	0.24	J	ND		(8.4)	=
Vinyl chloride	(ug/L)	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-OU4-01B-60-1000		LTM-OU4-01C-84-1000		LTM-OU4-MW-02A-1000		LTM-OU4-MW-02B-1000		LTM-OU4-MW-03B-1000	
Sample Date		10/16/00		10/16/00		10/23/00		10/23/00		10/18/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	0.16	J	ND		ND		2.1	=	1.3	=
1,1-Dichloroethane	(ug/L)	0.66	J	ND		0.46	J	0.26	J	0.55	J
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	1.4	J,B	1.0	J,B	1.6	J,B	1.3	J,B	1.2	J,B
Benzene	(ug/L)	ND		ND		ND		ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Carbon tetrachloride	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	0.24	J	ND		ND		ND		0.49	J
Chloroform	(ug/L)	ND		ND		ND		ND		ND	
Chloromethane	(ug/L)	ND		ND		ND		ND		ND	
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	0.68	J	0.59	J	0.36	J	0.68	J	ND	
Tetrachloroethene	(ug/L)	ND		ND		ND		ND		ND	
Toluene	(ug/L)	0.22	J	0.22	J	ND		ND		0.25	J
Trichloroethene	(ug/L)	2.5	=	ND		2.8	=	(12)	=	(7.3)	=
Vinyl chloride	(ug/L)	0.34	J	ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	2.9	=	0.29	J	6.9	=	0.74	=	1.1	=
trans-1,2-Dichloroethene	(ug/L)	ND		ND		0.11	J	ND		ND	

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-OU4-MW-03C-1000		LTM-OU4-MW-04A-1000		LTM-OU4-MW-12B-1000		LTM-110100-TB01		TB-102300-1	
Sample Date		10/19/00		10/23/00		10/23/00		11/01/00		10/23/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	1.3	=	ND		1.0	=	ND		ND	
1,1-Dichloroethane	(ug/L)	0.52	J	ND		0.16	J	ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND		ND		ND		ND	
Acetone	(ug/L)	ND		1.5	J,B	1.5	J,B	ND		2.2	J,B
Benzene	(ug/L)	ND		ND		0.19	J	ND		ND	
Bromodichloromethane	(ug/L)	ND		ND		ND		ND		ND	
Carbon tetrachloride	(ug/L)	ND		ND		ND		ND		ND	
Chlorobenzene	(ug/L)	0.91	J	0.64	J	ND		ND		ND	
Chloroform	(ug/L)	ND		ND		ND		ND		ND	
Chloromethane	(ug/L)	ND		ND		0.44	J	ND		ND	
Dibromochloromethane	(ug/L)	ND		ND		ND		ND		ND	
Ethylbenzene	(ug/L)	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND		ND		ND		ND	
Methylene chloride	(ug/L)	ND		0.34	J	ND		0.24	J,B	0.40	J
Tetrachloroethene	(ug/L)	ND		ND		(5.3)	=	ND		ND	
Toluene	(ug/L)	0.19	J	ND		0.63	J	ND		ND	
Trichloroethene	(ug/L)	(8.5)	=	ND		(6.9)	=	ND		ND	
Vinyl chloride	(ug/L)	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	(ug/L)	1.2	=	ND		0.81	=	ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND		ND		ND		ND	

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		TB101800		TB102000	
Sample Date		10/18/00		10/20/00	
VOC					
1,1,1-Trichloroethane	(ug/L)	ND		ND	
1,1-Dichloroethane	(ug/L)	ND		ND	
1,2-Dichloroethane	(ug/L)	ND		ND	
Acetone	(ug/L)	1.1	J,B	1.8	J,B
Benzene	(ug/L)	ND		ND	
Bromodichloromethane	(ug/L)	ND		ND	
Carbon tetrachloride	(ug/L)	ND		ND	
Chlorobenzene	(ug/L)	ND		ND	
Chloroform	(ug/L)	ND		ND	
Chloromethane	(ug/L)	ND		ND	
Dibromochloromethane	(ug/L)	ND		ND	
Ethylbenzene	(ug/L)	ND		ND	
Methyl tert-butyl ether	(ug/L)	ND		ND	
Methylene chloride	(ug/L)	ND		ND	
Tetrachloroethene	(ug/L)	ND		ND	
Toluene	(ug/L)	ND		ND	
Trichloroethene	(ug/L)	ND		ND	
Vinyl chloride	(ug/L)	ND		ND	
cis-1,2-Dichloroethene	(ug/L)	ND		ND	
trans-1,2-Dichloroethene	(ug/L)	ND		ND	

-- = Not Applicable, ND = Not Detected, ()=Result Exceeds MCL Value, [ ]=Result Exceeds Background Value

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-07-520-M-1000		LTM-0U10-MW-19D		LTM-23-578-M-1000		LTM-BS5-P-2-1000		LTM-BS5-P-3-1000	
Sample Date		10/18/00		10/20/00		10/17/00		10/20/00		10/20/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	1.6	J,B	0.79	J,B	1.2	J,B	10	ND	10	ND
Benzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	0.55	J	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.3	=	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.7	=	1.0	ND	1.0	ND	1.4	=
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	1.0	ND	1.0	ND	0.63	J	1.0	ND	1.0	ND
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	2.3	=	1.0	ND	(22)	=
Toluene	(ug/L)	0.21	J	1.0	ND	0.31	J	1.0	ND	1.0	ND
Trichloroethene	(ug/L)	2.0	ND	(5.1)	=	(14)	=	2.0	ND	0.19	J
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.21	J	0.50	ND	0.50	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-BS5-P-3-5000		LTM-BS5-P-4-1000		LTM-CHP4-MW01-1000		LTM-CW04-060-1000		LTM-CW05-055-1000	
Sample Date		10/20/00		10/20/00		10/17/00		11/02/00		10/31/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	0.29	J	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	10	ND	10	ND	1.4	J,B	1.2	J,B	2.1	J,B
Benzene	(ug/L)	1.0	ND	0.35	J	1.0	ND	1.0	ND	0.13	J
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	2.1	=
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.4	=	1.5	=	0.20	J	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	0.20	J	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	1.0	ND	1.0	ND	0.70	J	0.22	J,B	0.60	J,B
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Tetrachloroethene	(ug/L)	(20)	=	(23)	=	2.3	=	1.0	ND	1.0	ND
Toluene	(ug/L)	1.0	ND	0.33	J	0.29	J	1.0	ND	0.29	J
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	1.1	J	0.48	J	1.8	J
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	0.31	J
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.89	=	5.0	=
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-CW05-085-1000		LTM-CW3-77-1000		LTM-FTA2:MW02C-1000		LTM-GR-330-1000		LTM-GR-333-1000	
Sample Date		11/02/00		10/18/00		10/20/00		10/20/00		10/20/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	0.34	J
1,1,2,2-Tetrachloroethane	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	33	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	33	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	33	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	5.0	J	0.84	J,B	10	ND	10	ND	0.78	J,B
Benzene	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	6.7	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	6.7	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.6	=
Chloromethane	(ug/L)	6.7	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	17	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	3.2	J,B	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Styrene	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Tetrachloroethene	(ug/L)	3.3	ND	1.1	=	1.0	ND	(12)	=	0.75	J
Toluene	(ug/L)	3.3	ND	0.21	J	1.0	ND	1.0	ND	1.0	ND
Trichloroethene	(ug/L)	(73)	=	2.1	=	2.0	ND	2.0	ND	3.4	=
Vinyl chloride	(ug/L)	(3.3)	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	6.6	=	0.32	J	0.50	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	1.7	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	3.3	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-GR-333-5000		LTM-GR-334-1000		LTM-HD-12M-1000		LTM-HD-12S-1000		LTM-HD-13D-1000	
Sample Date		10/20/00		10/20/00		11/01/00		11/01/00		11/01/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	0.32	J	1.0	ND	1.0	ND	1.0	ND	1.2	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	3.4	=
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	12	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	12	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	12	ND
Acetone	(ug/L)	0.86	J,B	0.76	J,B	1.9	J,B	1.7	J,B	1.8	J,B
Benzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.5	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.5	ND
Chloroform	(ug/L)	1.7	=	1.0	ND	1.0	ND	1.0	ND	1.2	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.5	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	6.2	ND
Methylene chloride	(ug/L)	1.0	ND	1.0	ND	0.99	J,B	0.57	J,B	0.68	J,B
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
Tetrachloroethene	(ug/L)	0.80	J	1.0	ND	1.0	ND	(15)	=	1.2	ND
Toluene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
Trichloroethene	(ug/L)	3.4	=	2.0	ND	1.0	J	1.6	J	2.5	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	0.47	J
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	26	=
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.90	=
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.2	ND

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-HD-13S-1000		LTM-HD-13S-AMB01		LTM-HD11-1000		LTM-LF12-MW15A-1000		LTM-MW131M-1000	
Sample Date		11/01/00		11/01/00		11/02/00		10/18/00		11/02/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	0.20	J	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	10	ND	2.8	J	1.6	J	0.82	J,B	1.3	J,B
Benzene	(ug/L)	1.0	ND	1.1	=	1.0	ND	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	3.3	=	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	19	=	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.4	=	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	0.21	J,B	0.20	J,B	0.83	J,B	1.0	ND	0.24	J,B
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	0.15	J	0.24	J	1.0	ND	0.21	J	1.0	ND
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	(22)	=	2.2	=	0.24	J
Vinyl chloride	(ug/L)	(3.5)	=	1.0	ND	0.59	J	1.0	ND	(18)	=
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	4.5	=	0.50	ND	29	=	0.45	J	21	=
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.63	=	0.50	ND	0.24	J
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-MW131M-5000		LTM-MW131S-1000		LTM-MW132S-1000		LTM-NEA-MW27-3I-1000		LTM-NEA-MW34-2S-1000	
Sample Date		11/02/00		11/01/00		11/02/00		10/18/00		10/19/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	20	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	20	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	20	ND	10	ND	10	ND
Acetone	(ug/L)	1.1	J,B	1.2	J,B	2.6	J	1.3	J,B	10	ND
Benzene	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	4.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	4.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	4.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	10	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	0.21	J,B	0.22	J,B	1.7	J,B	1.0	ND	1.0	ND
Styrene	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
Tetrachloroethene	(ug/L)	1.0	ND	1.4	=	4.1	=	(15)	=	1.0	ND
Toluene	(ug/L)	1.0	ND	1.0	ND	2.0	ND	0.21	J	1.0	ND
Trichloroethene	(ug/L)	0.21	J	1.3	J	(30)	=	2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	(18)	=	1.0	ND	(2.0)	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	22	=	2.6	=	1.9	=	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.22	J	0.50	ND	1.0	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-NEA-MW37-1D-1000		LTM-O5-DM-123S-1000		LTM-O5-DM-123S-5000		LTM-O5-DM123D-1000		LTM-O5-DM123I-1000	
Sample Date		10/19/00		10/23/00		10/23/00		10/23/00		10/23/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	10	ND	1.6	J,B	1.2	J,B	1.4	J,B	1.2	J,B
Benzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	0.45	J	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	1.0	ND	0.42	J	0.33	J	0.40	J	0.23	J
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Trichloroethene	(ug/L)	2.0	ND	2.5	=	2.6	=	2.0	ND	2.5	=
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.68	=	0.68	=	0.50	ND	0.34	J
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-OU10-MW-03S-1000		LTM-OU10-MW-06D-1000		LTM-OU10-MW-06S-1000		LTM-OU10-MW-06S-5000		LTM-OU10-MW-11D-1000	
Sample Date		10/17/00		10/17/00		10/17/00		10/17/00		10/18/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	0.85	J,B	0.93	J,B	0.90	J,B	0.95	J,B	10	ND
Benzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	0.23	J	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	0.72	J	0.72	J	0.68	J	0.66	J	1.0	ND
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Tetrachloroethene	(ug/L)	(7.4)	=	(5.0)	=	1.0	ND	1.0	ND	0.70	J
Toluene	(ug/L)	0.24	J	0.20	J	0.25	J	0.21	J	0.21	J
Trichloroethene	(ug/L)	2.0	ND	2.0	ND	(9.7)	=	(9.5)	=	2.4	=
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-OU10-MW-11S-1000		LTM-OU10-MW-25S-1000		LTM-OU10-MW21S-1000		LTM-OU4-01B-60-1000		LTM-OU4-01C-84-1000	
Sample Date		10/18/00		10/17/00		10/19/00		10/16/00		10/16/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	0.16	J	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	0.66	J	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	1.0	J,B	1.5	J,B	10	ND	1.4	J,B	1.0	J,B
Benzene	(ug/L)	0.10	J	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	2.0	=	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	0.24	J	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	0.19	J	1.0	ND	0.31	J	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	1.0	ND	0.59	J	1.0	ND	0.68	J	0.59	J
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Tetrachloroethene	(ug/L)	(9.4)	=	(19)	=	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	0.21	J	0.26	J	1.0	ND	0.22	J	0.22	J
Trichloroethene	(ug/L)	0.24	J	2.0	ND	(8.4)	=	2.5	=	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	0.34	J	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	2.9	=	0.29	J
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-OU4-MW-02A-1000		LTM-OU4-MW-02B-1000		LTM-OU4-MW-03B-1000		LTM-OU4-MW-03C-1000		LTM-OU4-MW-04A-1000	
Sample Date		10/23/00		10/23/00		10/18/00		10/19/00		10/23/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	ND	2.1	=	1.3	=	1.3	=	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	0.46	J	0.26	J	0.55	J	0.52	J	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	1.6	J,B	1.3	J,B	1.2	J,B	10	ND	1.5	J,B
Benzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	0.49	J	0.91	J	0.64	J
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	0.36	J	0.68	J	1.0	ND	1.0	ND	0.34	J
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Tetrachloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	1.0	ND	1.0	ND	0.25	J	0.19	J	1.0	ND
Trichloroethene	(ug/L)	2.8	=	(12)	=	(7.3)	=	(8.5)	=	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	6.9	=	0.74	=	1.1	=	1.2	=	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.11	J	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Wright-Patterson AFB
October 2000 - Basewide VOC's Data - GROUND WATER
The IT Group, Project 777097

Sample Number		LTM-OU4-MW-12B-1000		LTM-110100-TB01		TB-102300-1		TB101800		TB101900	
Sample Date		10/23/00		11/01/00		10/23/00		10/18/00		10/19/00	
VOC											
1,1,1-Trichloroethane	(ug/L)	1.0	=	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2,2-Tetrachloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1,2-Trichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethane	(ug/L)	0.16	J	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,1-Dichloroethene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloroethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
1,2-Dichloropropane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
2-Butanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
2-Hexanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methyl-2-pentanone	(ug/L)	10	ND	10	ND	10	ND	10	ND	10	ND
Acetone	(ug/L)	1.5	J,B	10	ND	2.2	J,B	1.1	J,B	10	ND
Benzene	(ug/L)	0.19	J	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromodichloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromoform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Bromomethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Carbon disulfide	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Carbon tetrachloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chlorobenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloroethane	(ug/L)	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Chloroform	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Chloromethane	(ug/L)	0.44	J	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Methyl tert-butyl ether	(ug/L)	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene chloride	(ug/L)	1.0	ND	0.24	J,B	0.40	J	1.0	ND	1.0	ND
Styrene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Tetrachloroethene	(ug/L)	(5.3)	=	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Toluene	(ug/L)	0.63	J	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Trichloroethene	(ug/L)	(6.9)	=	2.0	ND	2.0	ND	2.0	ND	2.0	ND
Vinyl chloride	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylenes (total)	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
cis-1,2-Dichloroethene	(ug/L)	0.81	=	0.50	ND	0.50	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
trans-1,2-Dichloroethene	(ug/L)	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	(ug/L)	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND